Notice to All Users of the UMKC 2008-2009 Undergraduate and Graduate Catalogs: UMKC is changing the way it produces and makes available its comprehensive catalog. The 2008-2009 Catalogs are the first to be produced under the new method.

A few things have not changed:

· Catalogs are no longer produced in print.

· Catalogs are available online at www.umkc.edu/catalog <http://www.umkc.edu/catalog>.

· Undergraduate and Graduate Catalogs are available in two versions, a web (HTML format) version, and a printable document (PDF format) version.

The first and most important thing that has changed is that the two versions (PDF and HTML) have different purposes:

· The PDF versions are the official sources of academic program requirements that govern progress towards completion of undergraduate and graduate degree, credential, and certificate programs. The PDF versions are produced annually and the information in each annual publication does not change after publication. This PDF version is not the best source of any information except 2008-2009 academic program requirements. See the HTML version for the most up to date departmental, unit, and university-wide information

· The HTML versions of the Undergraduate and Graduate Catalogs are the official sources of all other departmental, unit, and university-wide information related to undergraduate and graduate academic programs, including the most recent pending changes to program requirements that have been approved but are not yet effective. The HTML versions will be continually updated and are therefore the best source of current information such as university and program accreditation information, admissions policies and procedures, general academic regulations, fees, academic and student services and resource information, and faculty and staff contact information.

GRADUATE CATALOG

2007-08 Graduate and Professional Catalog

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- Graduate Academic Regulations and Information
- Fee Information
- Learning Programs and Resources
  - Fellowships and Awards
  - Service Learning
  - Study Abroad
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  - Art and Art History
  - Chemistry
  - Criminal Justice and Criminology
  - Economics
  - English
  - Foreign Languages
  - Geosciences
  - Gerontology
  - History
  - Liberal Studies
  - Mathematics
  - Physics
  - Political Science
  - Psychology
  - Religious Studies
  - Social Work
  - Sociology
  - Theatre
- Biological Sciences, School of
- Business and Public Administration, Henry W. Bloch School of
- Computing and Engineering, School of
  - Civil Engineering and Mechanical Engineering
  - Computer Science Electrical Engineering
- Dentistry, School of
- Education, School of
- Graduate Studies, School of
- Law, School of
- Medicine, School of
- Music and Dance, Conservatory of
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General Program Information and Accreditation

GENERAL PROGRAM INFORMATION AND ACCREDITATION

- Program Accreditation
- Degree Programs and Emphasis Areas

PROGRAM ACCREDITATION

The University of Missouri-Kansas City is accredited by, is affiliated with or holds membership in the organizations listed below:

- ABET (1978)
- American Assembly of Collegiate Schools of Business (1969)
- American Association of Colleges of Pharmacy (1945)
- American Association of University Women (1959)
- American Association of Colleges for Teacher Education (1960)
- American Bar Association (1938)
- American Chemical Society (1957)
- American Council on Education (1945)
- American Council on Pharmaceutical Education (1945)
- American Dental Education Association
- American Library Association
- American Psychological Association
- Association of American Colleges and Universities (AAC&U)
- Association of American Law Schools (1938)
- Association for Continuing Higher Education (formerly Association of University Evening Colleges) (1955)
- The Central Exchange
- The Civic Council of Greater Kansas City
- Commission on Accreditation of Dental and Dental Auxiliary Educational Programs of the American Dental Association (1927)
- Commission on Collegiate Nursing Education (2000)
- Council of Graduate Schools (1967)
- Fulbright Association

- Great Cities Universities
- The Greater Kansas City Chamber of Commerce
- International Relations Council
- International Women's Forum
- Kansas City Area Development Council
- Kansas City Area Life Sciences Institute
- Liaison Committee on Medical Education of the American Medical Association and Association of American Medical Colleges (1971)
- National Association of Schools of Music (1938)
- National Association of Schools of Public Affairs and Administration (1980)
- National Association of Schools of Theatre (1970)
- National Association of State Universities and Land Grant Colleges (NASULGC)
- National Collegiate Athletic Association (1987)
- National Council for Accreditation of Teacher Education (1961)
- North Central Association of Colleges and Schools (1938)

DEGREE PROGRAMS AND EMPHASIS AREAS

Graduate degree programs are listed in capital letters. The actual degree or certificate to be earned -- Master's, Ph.D., etc., are shown in parentheses, followed by the coordinating discipline or the emphasis areas for the degree program.

- INTERDISCIPLINARY DOCTORAL STUDIES (Ph.D.)
  Art History
  Cell Biology and Biophysics
  Chemistry
  Computer Science
  Curriculum and Instruction
  Economics
  Electrical and Computer Engineering
  Engineering
  English
  Entrepreneurship
  Geosciences
  History
  Mathematics
  Molecular Biology and Biochemistry
  Music Education
  Oral Biology
  Pharmaceutical Sciences
  Pharmacology
  Physics
  Psychology
  Public Affairs and Administration
  Religious Studies
  Social Sciences Consortium: Economics, Political Science and Sociology
  Sociology
  Telecommunication and Computer Networking
  Urban Leadership and Policy Studies in Education

- ACCOUNTING (M.S.)
- ADVANCED EDUCATION IN GENERAL DENTISTRY (Graduate Certificate)
- ANESTHESIA (M.S.)
- ART HISTORY (M.A.)
- BIOLOGY (M.A., M.S.)
- BUSINESS ADMINISTRATION (MBA)
  Entrepreneurship (MBA)
  Finance (MBA)
  General Management (MBA, EMBA)
  International Business (MBA)
  Leadership and Change in Human Systems (MBA)
  Management of Information Systems (MBA)
  Marketing (MBA)
  Operations Management (MBA)
- CELLULAR AND MOLECULAR BIOLOGY (M.S.)
  General (M.S.)
  Biochemistry (M.S.)
  Bioinformatics (M.S.)
- CHEMISTRY (M.S.)
  Analytical Chemistry (M.S.)
  Inorganic Chemistry (M.S.)
  Organic Chemistry (M.S.)
  Physical Chemistry (M.S.)
  Polymer Chemistry (M.S.)
- CIVIL ENGINEERING (M.S.)
- COMPUTER SCIENCE (M.S.)
  Bioinformatics (M.S.)
  Networking and Telecommunications(M.S.)
  Software Engineering and Systems(M.S.)
- COUNSELING AND GUIDANCE (M.A., Ed.S.)
  Couples and Family Counseling (M.A., Ed.S.)
  Mental Health Counseling (M.A., Ed.S.)
  School Counseling and Guidance (M.A., Ed.S.)
  Substance Abuse Counseling (M.A., Ed.S.)
- COUNSELING PSYCHOLOGY (Ph.D.)
- CRIMINAL JUSTICE AND CRIMINOLOGY (M.S.)
- CURRICULUM AND INSTRUCTION (M.A., Ed.S.)
  General (M.A.)
  Curriculum and Instruction (M.A., Ed.S.)
  Early Childhood Education (M.A., Ed.S.)
  Elementary Education (M.A., Ed.S.)
  Teaching English as a Second Language (Teaching and Non-teaching) (M.A.)
  Learning Technologies (M.A.)
  Multicultural Education (M.A., Ed.S.)
  Subject Matter Specialty (M.A., Ed.S.)
- DENTAL HYGIENE EDUCATION (M.S.)
  General (M.S.)

Research (M.S.)
- DENTISTRY (D.D.S.)
- ECONOMICS (M.A.)
  Applied Urban Economics (M.A.)
- EDUCATIONAL ADMINISTRATION (M.A., Ed.S., Ed.D)
  School (Grades K-12) Administration (M.A., Ed.S., Ed.D)
  Higher Education Administration (M.A.)
- ELECTRICAL ENGINEERING (M.S.)
- ENDODONTICS (Graduate Certificate)
- ENGLISH (M.A.)
  Creative Writing (M.A.)
- ENVIRONMENTAL AND URBAN GEOSCIENCES (M.S.)
  Environmental Geography and Geographic Information Science (M.S.)
  Environmental Geology (M.S.)
  Urban and Cultural Geography (M.S.)
- HISTORY (M.A.)
- LAW (J.D., LL.M.)
  Business and Entrepreneurial Law (J.D.)
  Child and Family Law (J.D.)
  General (LL.M.)
  General with Estate Planning (LL.M.)
  Litigation (J.D.)
  Taxation (LL.M.)
  Urban Affairs (LL.M.)
  Urban, Land Use and Environmental Law (J.D.)
- LIBERAL STUDIES (M.A.)
- MATHEMATICS AND STATISTICS (M.A., M.S.)
  Mathematics (M.S.)
  Statistics (M.S.)
- MECHANICAL ENGINEERING (M.S.)
- MEDICINE (M.D.)
- MUSIC (M.A.)
  Music Therapy (M.A.)
- MUSIC COMPOSITION (M.M., D.M.A.)
- MUSIC CONDUCTING (M.M., D.M.A.)
- MUSIC EDUCATION (M.M.E.)
  General (M.M.E.)
  Choral (M.M.E.)
  Instrumental (M.M.E.)
- MUSIC HISTORY AND LITERATURE (M.M.)
- MUSIC PERFORMANCE
  Bassoon (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Cello (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Clarinet (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Euphonium (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Flute (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Guitar (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Horn (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Oboe (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Organ (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Percussion (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Piano (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Saxophone (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  String Bass (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Trombone (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Trumpet (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Tuba (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Viola (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Violin (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Voice (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
  Woodwinds (Performer's Certificate, M.M., Artist's Certificate, D.M.A.)
- MUSIC THEORY (M.M.)
- NURSING (M.S.N., Ph.D.)
- ORAL AND MAXILLOFACIAL RADIOLOGY (Graduate Certificate)
- ORAL AND MAXILLOFACIAL SURGERY (Graduate Certificate)
- ORAL BIOLOGY (M.S.)
- ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS (Graduate Certificate)
- PEDIATRIC DENTISTRY (Graduate Certificate)
- PERIODONTICS (Graduate Certificate)
- PHARMACEUTICAL SCIENCE (M.S.)
  Pharmaceutical Chemistry (M.S.)
  Pharmaceutics (M.S.)
  Pharmacology (M.S.)
  Toxicology (M.S.)
- PHYSICS (M.S.)
- POLITICAL SCIENCE (M.A.)
- PSYCHOLOGY (M.A., Ph.D.)
- PUBLIC ADMINISTRATION (M.P.A.)
  Health Services Administration (M.P.A.)
  Information Operations (M.P.A.)
  Nonprofit Management (M.P.A.)
  Organizational Behavior (M.P.A.)
  Strategic Human Resources(M.P.A.)
  Urban Administration (M.P.A.)
- READING EDUCATION (M.A., Ed.S.)
- ROMANCE LANGUAGES AND LITERATURE (M.A.)
- SOCIAL WORK (M.S.W.)
- SOCIOLOGY (M.A.)
- SPECIAL EDUCATION (M.A.)
  Mild-Moderate/Cross-Categorical Disabilities (M.A.)
- STUDIO ART (M.A.)
- TAXATION (LL.M.)
- THEATER (M.A.)
- THEATER: ACTING AND DIRECTING (M.F.A.)
  Acting (M.F.A.)

- THEATER: DESIGN AND TECHNOLOGY (M.F.A.)
  Design (M.F.A.)
  Technology (M.F.A.)
- URBAN AFFAIRS (LL.M.)
- WASTE MANAGEMENT (Graduate Certificate)

General Graduate Academic Regulations and Information

GENERAL GRADUATE ACADEMIC REGULATIONS AND INFORMATION

School of Graduate Studies
300F Administrative Center
5115 Oak Street
(816) 235-**1161**
Fax: (816) 235-**1310**
graduate@umkc.edu
http://sgs.umkc.edu/

Mailing Address
University of Missouri-Kansas City
School of Graduate Studies
5100 Rockhill Road
Kansas City, MO 64110-2499

Dean:
Ronald A. MacQuarrie

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- Admission Policies and Procedures
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MISSION AND ADMINISTRATIVE ORGANIZATION OF GRADUATE EDUCATION

UMKC currently offers more than 50 graduate degrees at the master's, educational specialist and doctoral levels, plus a number of graduate certificates. Graduate students represent about 26 percent of the total campus enrollment. The graduate student population is diverse in ethnicity, gender and racial background. As an urban university, our programs strive to accommodate adult working students. Nearly two-thirds of all graduate students are enrolled part time and the average age is 35.

The Graduate Council, representing a cross section of campus graduate faculty, sets policy, establishes minimum graduate education standards and monitors the quality of graduate education at UMKC. The graduate faculty in the various graduate degree programs may set standards more stringent than the minimums outlined in this catalog section, and in such cases, the program standards take precedence over the campuswide minimum regulations. The School of Graduate Studies is responsible for monitoring compliance to the campuswide minimum graduate academic regulations; providing leadership and coordination of all graduate programs; and serves as the academic home for students admitted to the Interdisciplinary Ph.D. program. Information on the I.Ph.D. program may be found in the School of Graduate Studies section of this catalog.

ADMISSION POLICIES AND PROCEDURES

Graduate admission committees in each academic unit review applications and make recommendations for admission. Applicants must satisfy both the general campus requirements and the program-specific admission criteria for graduate study. The minimum general requirements follow.

Graduate Admission Requirements

The following are minimum requirements for admission to graduate study in all UMKC graduate programs:

1. A bachelor's or first-level professional degree from a regionally accredited institution.
2. A satisfactory academic record.

For program-specific requirements, applicants should consult the pertinent degree program listing in this catalog.

Many UMKC graduate degree programs require satisfactory scores from either the Graduate Record Examination (general and/or subject tests), the Miller Analogies Test or the Graduate Management Admissions Test. Other academic units may require other national examinations. Test applications and information can be obtained from the UMKC Counseling, Health and Testing Center, (816) 235-**1635**, or by contacting the Educational Testing Service http://www.ets.org.

Graduate Study Application Procedure

In general, applications for admission to graduate study should be obtained from and returned to the admissions office. Complete contact information for admissions can be

found in the Application Forms section of undergraduate admissions in the undergraduate catalog or from the UMKC Web site home page.

Because some academic units have special application packets, applicants requesting application materials should be sure to specify the program to which they plan to apply. Admission to a degree program is subject to the recommendations of the graduate faculty in the degree program area and the dean of the academic unit in which the program is offered. Graduate admission decisions by the academic dean or designated representative are final.

Applicants must submit an official transcript from the school where their bachelor's degrees were obtained. Unless the transcript of the degree-granting institution includes the complete record of undergraduate work taken at all other schools, an official transcript from each of the other institutions also must be supplied. In addition, applicants must submit an official transcript from each school where other coursework has been taken or degrees have been obtained after the bachelor's degree. All credentials submitted in support of the application for admission become UMKC property and will not be returned to students, nor will UMKC release copies of such credentials to a third party.

The graduate degree programs at UMKC have varying schedules for receiving, reviewing and acting on applications for admission. Before applying, applicants should contact the principal graduate adviser or graduate officer for the chosen degree to determine program-specific deadlines. Lists of the names of the current graduate officers and principal graduate advisers are available, on request, from the School of Graduate Studies.

International graduate applicants should refer to International Graduate Student Applicant and Student Information later in this section.

GRADUATE ACADEMIC REGULATIONS

The minimum academic regulations and degree requirements for graduate study at UMKC, as outlined in the subsections that follow, have been determined by the UMKC graduate faculty through representation on the Graduate Council and the Committee of Graduate Officers, and apply to all graduate programs. Individual schools and departments may adopt additional and more stringent requirements for admission, retention and degrees that take priority over these minimum regulations. These additional requirements are detailed under the various fields of study in this catalog.

ACADEMIC LOADS

Full-Time Academic Load Definition for Graduate Students without Assistantship Appointments

Graduate students enrolled in nine or more credits during a regular semester or five credits during a summer session are considered full-time students. All students registered for fewer than those specified totals are classified as part-time students, unless they hold a teaching or research appointment at UMKC. This designation of full time is for academic purposes only and does not apply to assessment of fees or degree program residency requirements.

Full-Time Academic Loads for Graduate Teaching and Graduate Research Assistants (GTAs/GRAs)

Full-time enrollment for students holding graduate teaching assistant or graduate research assistant appointments is six hours in a regular semester or three hours in a summer session. GTAs/GRAs are expected to make normal progress toward their degrees and should enroll in a minimum of six hours per semester (three credits in the summer session). However, GTA/GRA appointees who have completed all required coursework for the degree and who are working full time on research need only enroll for the minimum of three credits.

Note that this policy in no way alters the residency requirements and criteria for doctoral degrees. Further, international students holding GTA/GRA appointments also must abide by requirements of the U.S. Immigration Service and should consult the international student adviser before reducing their course loads.

Special Cases: Requests for GTA/GRA Appointments Greater than Half Time and Requests for Exemption from Social Security Withholding for GTAs/GRAs

GTA/GRA appointments are normally restricted to no more than 20 hours per week (.5 full-time employee). Requests for GTA/GRA appointments greater than .5 FTE must be submitted to the School of Graduate Studies prior to the beginning of the appointment and must be accompanied by a statement from the student's major adviser that the additional work load will neither place the student at risk academically nor impede the student's academic progress.

Graduate students holding GTA/GRA appointments are automatically exempt from Social Security withholding tax as long as they are enrolled in at least six credit hours. If the student's enrollment falls below six credit hours, the student's academic unit may certify his or her eligibility for continued exemption for one of the following two reasons:

- The GRA is a doctoral student working in a research laboratory as a component of the educational requirement and is enrolled in the minimum number of research hours required for doctoral students who have passed comprehensive examinations.
- The GTA or GRA is a graduate student enrolled in fewer than six credit hours because it is the student's exit semester.

Certification forms are available in the School of Graduate Studies office. The form requires signatures from the student's major adviser and the principal graduate adviser of the student's academic unit. After these individuals have signed the form, it must be sent to the School of Graduate Studies for recommendation. The School of Graduate Studies forwards the completed request to the Payroll Office for final action on the request.

Restricted Academic Loads

Limitation on the size of the academic load for which graduate students can register might be imposed by the dean or faculty adviser. Generally, students on probation are required to restrict the academic program to a minimum full-time load until they have returned to good standing.

Interpretation of Full-Time and Half-Time Status of Graduate Students for Purposes of Certification to Lending/Funding Agencies

To be eligible for certification of *full-time status* as a graduate student by the Registrar's Office, a student must meet at least one of the following conditions:

- Enrollment in nine credit hours.
- Half-time (.5 FTE) GTA or GRA appointment and enrollment in six or more hours.
- Quarter-time (.25 FTE) GTA or GRA appointment and enrollment in seven hours.
- Ph.D., D.M.A. and Ed.D. candidates who have passed their doctoral comprehensive examinations and are enrolled in one hour (not to exceed 10 semesters of certification under this category).

To be eligible for certification of *half-time status* as a graduate student by the Registrar's Office, a student must meet at least one of the following conditions:

- Enrollment in five credit hours.
- Half-time (.5 FTE) GTA or GRA appointment and enrollment in three credit hours.
- Quarter-time (.25 FTE) GTA or GRA appointment and enrollment in five credit hours.

Special Cases and Limitations on Registrar's Certification to Lending/Funding Agencies:

- Ph.D. or D.M.A. students who have not taken and passed their doctoral comprehensive examinations and who do not meet one of the other enrollment qualifications for certification and Master's/Educational-Specialist students not qualifying for certification under one of the categories listed above may petition the principal graduate adviser in their academic unit for special consideration. If, based on a review of the student's petition, the principal graduate adviser believes there is sufficient reason for certifying the student for full-time or half-time status, the principal graduate adviser may submit a request to the Registrar's Office.
- Work to satisfy an incomplete grade or grades from a previous term or terms does not count toward certification. Therefore, a class may be used only in status calculation for one term. Since the hours are used in status calculation during the original term of enrollment, that is the only term that the hours may be counted.
- Status may not be calculated nor certified for future terms.

CHANGES IN ENROLLMENT

Information given in this section reflects minimum campus standards for graduate students' changes of enrollment. Because each academic unit has the prerogative to set more stringent rules, students should consult the principal graduate adviser or graduate officer in their major area of study for unit or discipline-specific rules. All changes in enrollment by graduate students must be initiated in the office of the principal graduate adviser (Arts and Sciences) or graduate officer of the respective unit and completed in

the Registration Office.

Additions

Students who want to enroll in an additional course may do so during the first week of the term provided they have the approval of the faculty adviser. Course additions or late enrollments after the first week of the term generally are not allowed.

Withdrawals

Graduate students may withdraw from a course at any time prior to the first day of the final examination period, provided the permission of the faculty adviser has been obtained and notification to the instructor has been made. However, after the mid-term, students will be academically assessed. If failing at the time of withdrawal, students will be graded "WF" (withdrawn failing). [*Note: Individual academic units may have earlier deadlines for withdrawal.*]

Change from Audit to Credit

Graduate students may change status in a course from audit to credit during the first week of the term, provided they have the approval of the faculty adviser and have notified the course instructor.

Change from Credit to Audit

Graduate students may change status in a course from credit to audit any time prior to the final examination period, provided they have the consent of the course instructor and the approval of the faculty adviser. [*Note: Individual academic units may have earlier deadlines and may have program-specific restrictions on retaking audited courses for credit.*]

Withdrawal for Financial Delinquency

If students fail to fulfill financial obligations with the University after adequate notice, withdrawal from all courses during that term will result.

ENROLLMENT / READMISSION POLICY

Until the time they have completed all coursework on their approved programs of study, graduate students in good standing who have not enrolled for only one semester may re-enroll without applying for readmission. Students who attend other schools in the interim must submit transcripts of such work from each institution attended. Graduate students are considered inactive after a lapse of two or more regular semesters of enrollment. Subsequently, inactive graduate students who want to continue must follow the same admission procedures as those required for new applicants. After a lapse of three or more terms, graduate students will re-enter under requirements in effect at the time of readmission.

CONTINUOUS GRADUATE ENROLLMENT REQUIREMENT

After completing all courses included in the planned programs or plans of study for degrees, all degree-seeking graduate students must remain continuously enrolled in each regular semester up to and including the semester in which their degrees are awarded. This requirement applies also to the summer term for students whose degrees are being awarded at the end of a summer term. This continuous enrollment must be for a minimum of one-hour credit in research and thesis, research and dissertation, or other work designated by the department or school. When no suitable credit registration is available, or when students have previously enrolled in at least the minimum number of 5599 (thesis) or 5699 (dissertation) or equivalent credits required on their programs or plans of study, students may fulfill the continuous enrollment requirement by registration in continuous graduate enrollment (5899) for no academic credit. Interruption of continuous registration due to failure to comply with this requirement will result in the need for readmission under requirements then in effect. Academic units may require retroactive enrollment as a condition of readmission.

Continuous Graduate Enrollment (5899):

Courses designated as 5899, Continuous Graduate Enrollment, are charged at the rate established for one credit hour. Registration, by mail or in person, must be completed by the end of the first week of a regular semester or of a summer session. Students may obtain a reference number for 5899 from the Registration and Records office.

ENROLLMENT CLASSIFICATIONS

Post-Baccalaureate, Non-Graduate Student Classification:

Students who have earned a baccalaureate degree and who are seeking only additional undergraduate courses may be admitted under a post-baccalaureate (code 4-E) classification. Students in this classification are restricted to enrollment in courses numbered 499 and below and may not take any courses for graduate credit. Courses taken while classified as a code 4-E student may not be included for credit on a graduate degree program at a later date. Code 4-E students wanting to reclassify as graduate students for a future term must reapply and be regularly admitted to the graduate programs in which they want to seek advanced degrees. ***Degree-Seeking and Non-Degree-Seeking Graduate Student Classifications:***

Students admitted to any of the graduate classifications (whether degree seeking or non-degree seeking) will be enrolled automatically for graduate credit in courses numbered 300 to 499 unless they indicate on their enrollment forms that they do not want graduate credit for the course or the instructor specifies the course may only be taken for undergraduate credit. Courses numbered 299 and below may not be taken for graduate credit, are not calculated in a student's graduate grade-point average and cannot be included as credit courses on a graduate student's program of study.

The following six admissions categories are used for degree-seeking graduate students at UMKC:

1. *Regular Master's Degree Seeking - (Code 6)* Degree-seeking graduate students admitted to a master's degree program without reservation.
2. *Conditional Master's Degree Seeking - (Code 6-V).* Degree-seeking graduate students admitted to a master's-level degree program who have not yet fulfilled all admissions requirements specified by the academic unit responsible for the degree program.
3. *Regular Educational-Specialist Degree Seeking - (Code 7).* Degree-seeking graduate students admitted to an Educational-Specialist degree program in the School of Education without reservation.
4. *Conditional Educational-Specialist Degree Seeking - (Code 7-V).* Degree-seeking graduate students admitted to an Educational-Specialist degree program who have not yet fulfilled all admissions requirements specified by the School of Education.
5. *Regular Doctoral Degree Seeking - (Code 8).* Degree-seeking graduate students admitted to a doctoral degree program (Ph.D. or D.M.A.) without reservation.
6. *Conditional Doctoral Degree Seeking - (Code 8-V).* Degree-seeking graduate students admitted to a Ph.D. or D.M.A. program who have not yet fulfilled all admission requirements specified by the academic unit responsible for the degree program.

Full admission of code 6-V, 7-V and 8-V students to a degree program and appropriate reclassification are subject to students' removal of deficiencies and approval of satisfactory performance.

Admission to graduate study and to a particular degree program is no guarantee that students will be advanced to candidacy or granted a higher degree. All candidates are expected to perform at a consistently high level and to satisfy all the requirements for the degree. The final determination, as to whether or not students will be recommended for a graduate degree, is made by the graduate faculty in the fields concerned. The graduate faculty reserves the right to deal with exceptional cases on individual merit.

Degree-seeking graduate students who plan to change their field of study must reapply for admission and be regularly admitted to the desired graduate program in the new department or school.

The following three admission categories are used for non-degree-seeking graduate students:

1. *Non-Regular Graduate - Continuing Education, Non-Degree-Seeking Student - (Code 6-H).* Students taking courses for graduate credit through the Division of Continuing Education. It should be noted that admission to this category (generally through self-certification) does not constitute regular admission to a graduate program at UMKC. However, on the recommendation of the adviser and approval by the graduate officer, a limited number of graduate credit courses (normally no

more than six credit hours) may be applied to individual degree programs after students have been regularly admitted to do graduate study (see Application for Graduate Study, above).

2. *Visiting Graduate Student - (Code 6-C).* This includes students who have been properly certified as graduate students at an accredited institution other than UMKC, and have permission to enroll in specific courses (including 5000-level courses) at UMKC. *Note: Students who have previously been enrolled in a UMKC graduate program must have been in good academic standing at the end of their last UMKC graduate enrollment to take graduate courses as a visiting graduate student.*
3. *Graduate Special Non-Degree Seeking - (Code 6-G).* This classification is used for two categories of students: (1) Community access, non-degree-seeking students wanting access to graduate level courses not available through continuing education; and (2) Potential graduate applicants, not meeting requirements for conditional admission and wanting to take graduate-level courses in order to qualify for admission. The following restrictions apply to 6-G Classification graduate students:
    - Students apply to the academic unit, if declared. If undeclared, students are admitted as undeclared graduate students in the College of Arts and Sciences.
    - All graduate academic regulations apply.
    - Students must have a baccalaureate degree prior to admission.
    - Students are subject to the campus graduate academic probation and ineligibility policies.
    - Students with a 6-G classification are not eligible for financial aid.
    - International students may not be issued I-20 forms for admission under a 6-G classification.
    - International students considered under the 6-G classification must meet the University standards for evidence of English proficiency.
    - Students admitted under this classification must reapply to the academic unit and be admitted to a graduate degree program in order to be changed to degree-seeking status.
    - At the discretion of a department or area, the graduate-level courses completed with a grade of B (3.0) or better while classified as a 6-G student may be applied toward a graduate degree in that department or area. Of the courses listed on a degree, no more than 12 semester credit hours may have been completed while enrolled as a 6-G student.

All non-degree-seeking graduate students (6-C, 6-G and 6-H) wishing to enter a degree program must reapply for and be regularly admitted to the department or school from which they want to receive an advanced degree.

EXCEPTIONS TO ACADEMIC REGULATIONS

Campuswide Exceptions

Petitions for an exception to a campuswide graduate academic regulation must originate with the student. It must be processed through the graduate officer and dean or program director in charge of the student's graduate degree program and forwarded to the dean of the School of Graduate Studies. Only the dean, or the designated representative, are authorized to grant an exception to the graduate academic regulations applying to all graduate students. Petitions must be in writing and include (1) the reason for requesting the exception and a detailed justification from the student; (2) recommendation for action by the appropriate graduate officer; (3) recommendation for action by the department or division chair (if applicable); and (4) recommendation for action by the appropriate dean or program director. The graduate dean or designated representative will review the petition and related documentation and render a decision which will be communicated in writing to the academic dean or director, the graduate officer, the student and the registrar.

Program-Specific Exceptions

Petitions for exception to a program-specific academic regulation are handled within the academic unit's degree program. A graduate student who has petitioned for an exception to a program-specific academic regulation and whose petition has been denied may appeal the decision to the dean of the School of Graduate Studies if all other remedies open to the appellant have been exhausted at the department and college, school or program level. Appeals to the dean of the School of Graduate Studies must be made in writing within 14 consecutive days from the date the student received the written notice of the petition decision. The dean of the School of Graduate Studies will investigate the case and take appropriate action in a timely manner. The decision of the graduate dean, as the chancellor's designated representative, is final and will be communicated in writing to the student, the graduate officer, the academic dean or director and the registrar.

GRADUATE COURSES AND GRADING POLICIES

Course Designations

In general, courses numbered 5000 and above are open only to regularly admitted graduate and Ph.D. students.

Courses numbered 300 to 499 are upper division junior- and senior-level courses. Graduate students who enroll in such courses have the option of designating them, at the time of enrollment, as being "not for graduate credit." If the student chooses this option, the grade will not be included in the student's graduate grade-point average and the course may not be included on the graduate or Ph.D. program/plan of study and will not count toward a graduate degree. In order for a 300- or 400-level course to be accepted for graduate credit, students will be expected to do supplementary work (additional reading, projects, papers and contact hours with the instructor) and to demonstrate graduate-level competency and achievement in the subject. Also, students must take the course for graduate credit and complete it with a grade of B- (2.7) or better. The total number of acceptable 300- to 400-level courses to be applied to requirements for a graduate degree may not exceed 40 percent of the total number of courses applied to graduate or non-interdisciplinary doctoral-degree requirements, or one-third of the total number of courses on the approved Interdisciplinary Ph.D. plan of study.

Courses at the 100- and 200-level are not available for graduate credit and will not be applied toward the number of hours required for a graduate degree.

Courses numbered 5580 to 5589 generally are reserved for seminars, workshops and special topics. Consult individual degree programs for possible restrictions on such offerings. The course numbers 5590 to 5598 usually are reserved for non-thesis research, directed studies and readings. Courses numbered 5599 are restricted to research leading to a thesis. Considering this numbering system, no more than 40 percent of courses numbered 5590 to 5599, or other courses which fall in the categories listed above for that course number range, may be applied to a graduate degree program of study, with the exception of the Interdisciplinary Ph.D. study.

Courses numbered 5695 to 5699 are restricted to research leading to a dissertation. Continuous Graduate Enrollment is numbered 5899.
Note: The numbering of graduate courses in the School of Dentistry differs from the system described above.

Course Restrictions

Policy on Admission of Undergraduates to Graduate-Level Courses:

In addition to regularly admitted graduate students, seniors who meet the requirements below, and who have obtained the necessary approvals and received permission from the School of Graduate Studies may enroll in a limited number of courses numbered in the 5000 series and above, or may enroll in appropriate 300- and 400-level courses for graduate credit.

Minimum requirements:

- Seniors within 12 credits of graduation who have a 3.0 GPA or better in their college work; or
- Seniors within 30 credits of graduation who have a 3.5 GPA in their college work.

To request permission to take a graduate-level course, the senior must:

1. Obtain a request to take graduate-level course form and an advising transcript from the Registrar's Office. (Forms also are available on-line at http://www.umkc.edu/sgs/forms.)
2. Fill out the request to take graduate-level course form, attach a copy of the advising transcript to the form and seek written approval on the form from the course instructor; the dean or director of the academic unit in which the requested course is offered; and the student's undergraduate adviser.
3. Once the above steps have been completed, submit the form to the School of Graduate Studies for final approval. This last step should occur no later than four weeks before regular registration.

This policy does not generally apply to 5000-level courses in the Bloch School of Business and Public Administration open exclusively to graduate students. However, Bloch School seniors may begin work on the M.B.A., M.P.A. or M.S. in accounting degree if pre-approved by the Bloch School based on their formal application and admission to the graduate degree program.

This procedure is intended to allow a degree of flexibility in planning the academic programs of degree-seeking seniors who clearly have shown academic merit and plan to pursue advanced study after graduation. This option is not available for post-baccalaureate students (code 4-E).

In all cases, eligible students may enroll in no more than six credits of graduate-level courses or courses for graduate credit through this procedure. In addition, first-semester seniors who enroll in graduate-level courses are limited to a total enrollment of no more than 15 hours for the semester. Graduate-level courses (5000 and above) are to be selected from those courses generally offered to first-semester or first-year graduate students. Courses such as special topics, individual studies and directed research designed for advanced graduate students are not eligible under these provisions.

Students may petition that the courses can be taken for graduate credit or undergraduate credit. Credit may be applied to requirements for a graduate or a bachelor's degree, but not both.

Requests by students who meet all the requirements stated above will be approved by the dean of the School of Graduate Studies or designated representative. In exceptional cases, students who do not meet the requirements stated above may present a petition to the dean of the School of Graduate Studies. Such petitions must be presented to the school no later than four weeks before the beginning of the term for which enrollment is sought.

Students who do not meet the above criteria but who register for a graduate-level course will be withdrawn administratively from the course. Fees paid for the course will be refunded.

Graduate-Credit, Continuing Education Courses:

Graduate-credit courses are offered on an irregular basis at both off-campus and on-campus locations through the Division of Continuing Education, in conjunction with various instructional divisions.

Students may enroll in such courses and earn graduate credit without being regularly admitted to a graduate program. However, application of such credits toward an advanced degree can be determined only after students have been regularly admitted to graduate study. Such application depends upon the acceptance of students and the course by the respective department or division offering the degree. Students are responsible for determining whether these credits will satisfy the requirements of their particular educational goals and should make such determination before registering for the course.

Grading System

The following is the grading and grade-point system at UMKC:

Letter Grade	Description	Points per Semester Hour
A	The highest grade	4.0
A-		3.7
B+		3.3
B	Work of distinction	3.0
B-		2.7
C+		2.3
C	Average work	2.0
C-		1.7
D+		1.3
D	Passing, but unsatisfactory	1.0
D-		0.7
F	Failure without credit	0.0
NR	Not Reported	0.0
WF	Withdrew failing	0.0
W	Withdrew; no academic assessment	-
I	Incomplete	-
AT	Audit	-
CR	Credit only	-
NC	No Credit	-
P	Passing	-
S	Satisfactory	-

In terms prior to and including 1985, any of the above grades might be preceded by an R indicating a repeated course. These grades are not included in either total hours or the grade-point average. (Examples: RC, RD, RF.) Since 1985, all grades, including those in repeated courses, are included in the GPA calculation. For the 1993 Fall Semester, UMKC began using the plus/minus grading system for grades A, B, C and D. The grade of A+ is valid only for students in the School of Law.

Incomplete Grades

An instructor may give a grade of incomplete (I) to students who have been unable to complete the work of the course because of illness or other valid reasons beyond their control. Students who receive an incomplete must complete the required work within one calendar year to avoid an F (failure without credit). The instructor may specify a shorter completion period. A grade of incomplete is only appropriate when enough work in the course has been completed that the student can finish the remaining work without re-enrolling in the course in question, or by attending additional classes. In other instances, students should withdraw. Students cannot re-enroll in a course for which an incomplete remains on the record.

This policy is exclusive of those courses which are considered directed individual studies; internships; special topics; practicums; research and thesis; and research and dissertation courses. Because completion of such courses will quite often span several terms, incomplete grades assigned in such courses will not automatically lapse to an "F" grade after one calendar year, but will adhere to the completion period specified by the instructor.

Policy on Repeated Graduate-Credit Courses

Whenever students repeat a graduate-credit course, they must submit a course repeat form to the Registration and Records Office no later than the fourth week of the term. Students seeking graduate degrees are limited to repeating no more than 20 percent of the credits applicable toward a graduate degree. If approved by the school or department or Interdisciplinary Ph.D. supervisory committee, students may repeat a course once to improve the grade-point average or satisfy the program requirements. The second grade received will be used to calculate the grade-point average that will be used in satisfying degree requirements.

REQUIREMENTS FOR RETENTION

Graduate Probation Policy

Graduate students, regardless of classification, must maintain a 3.0 (B) grade-point average in all coursework taken for graduate credit at UMKC and must meet any additional academic requirements imposed by the school, department or Interdisciplinary Ph.D. discipline. Students are responsible for keeping apprised of their academic status by referring to term grades and their permanent academic record on file in the UMKC Registration and Records Office.

Whenever the cumulative GPA for UMKC courses taken for graduate credit by a graduate student of any classification falls below 3.0, the student's status for the next term becomes: "On Probation - See principal graduate adviser." (Interdisciplinary Ph.D. students will be directed to consult their interim adviser or research adviser.) The principal graduate adviser, interim adviser or research adviser will review the student's progress and provide counsel, and the following conditions apply:

- A graduate student on probation who is not restored to good academic standing by the end of two successive regular semesters following the term in which the

cumulative GPA fell below 3.0 will be declared ineligible to re-enroll.
- While on probation, a graduate student must achieve a 3.0 term GPA in order to enroll for the following term.
- A graduate student on probation will not be restored to good standing until a cumulative graduate-credit GPA of at least 3.0 is achieved.

Ineligibility for Further Graduate Study

Ineligibility Following Academic Probation

In the case of ineligibility following academic probation, the graduate student may present a petition for re-enrollment to the principal graduate adviser of the student's academic program. Petitions will be reviewed by the graduate faculty member responsible for the student's degree program. That faculty member will make a written recommendation to the appropriate administrative levels within that academic unit approving or denying of the petition. The approval or denial action may include:

- Approval for further graduate study in the student's current field of study and in the same classification but on a restricted probation basis (as defined in written contract).
- Approval for further graduate study in the student's current field of study in a different student classification and on a restricted basis.
- Denial for further graduate study in the student's current field but approval for undergraduate study only.
- Denial for further study, either graduate or undergraduate, in the student's current field of study.

Ineligibility Due to Unsatisfactory Progress or Performance

When a department or school or Interdisciplinary Ph.D. supervisory committee, irrespective of a student's grade-point average, considers a graduate student's performance to be unsatisfactory, that department, school or committee may recommend to the dean or director of the academic unit in which the student's degree is housed that the student be reclassified or declared ineligible for further study. The dean or director reviews the recommendation and conveys a decision to the respective faculty group and the student.

Students in programs other than the Interdisciplinary Ph.D. program who have been declared ineligible due to unsatisfactory progress or performance may appeal such decisions to the dean of the School of Graduate Studies, as designee of the chancellor. Students in the Interdisciplinary Ph.D. program may appeal such decisions to the provost, as designee of the chancellor. Such appeals must be made in writing within 14 consecutive days after receipt of the notification to the student of the decision.

The decision of the graduate dean or provost, as the chancellor's designated representative in such cases, is final and will be communicated in writing to the following:

1. The student
2. The graduate faculty review group(s)
3. The academic dean or director
4. The registrar

REQUIREMENTS FOR GRADUATION

Program of Study

Graduate education is intended to answer the personal needs of students and the special needs of society not satisfied through undergraduate training. Graduate degrees indicate that the holders have sufficiently mastered a program in a particular field to pursue creative projects in that specialty. The degrees are awarded for completion of a coherent program -- formalized as the program or plan of study -- designed to assure the mastery of specified knowledge and skills. Forms for specifying individual programs or plans of study are available from the principal graduate adviser (Arts and Sciences) or graduate officer of the academic unit.

Students may elect to fulfill either the degree requirements in effect at the time of their original admission (provided there has not been a lapse in attendance at UMKC of more than two consecutive terms) or the degree requirements in effect at the time of advisement into a planned graduate program of study.

No course at the 300- or 400-level taken on a credit/no credit basis; no 300- or 400-level course with a grade below B- (2.7); and no 5000-level or higher course with a grade below C (2.0), will count toward any advanced degree program. Additionally, 80 percent of the credits for the degree must be passed with a grade of B (3.0) or better. Students admitted to the combined J.D./MBA program must receive grades of B or better in 80 percent of Bloch School courses. Because of different grading standards,the transferred law hours are not included in the 80 percent calculation. Degree programs may have requirements which are more stringent. If so, the program requirement takes precedence over the campus minimums.

Thesis and Dissertation Preparation and Approval Process

Formatting Regulations:

Some master's degree programs have a thesis requirement and some have a thesis option. All Ph.D. degree programs at UMKC require a dissertation. The School of Graduate Studies, guided by the Graduate Officers Committee, establishes the format regulations for theses and dissertations (T/Ds) at UMKC. Degree candidates are responsible for familiarizing themselves with and adhering to the standards of the latest edition of the "Manual for Writers of Term Papers, Theses and Dissertations" edited by Kate Turabian. They also must become familiar with the special format regulations for title page; abstract format and length; approval page; order of manuscript sections; paper; page numbering; heading levels; margins; and type style and size; which are outlined in the "University of Missouri-Kansas City Guide to Formatting Theses and Dissertations" which is available online at www.umkc.edu/sgs/theses.asp. Bibliographic references must follow Turabian guidelines unless the student's academic program has an alternate bibliographic reference format approved by, and on file with, the School of Graduate Studies. Candidates should check with the principal graduate adviser in their respective academic units to determine the approved bibliographic reference format standard for their degree programs. Any variances from the standards outlined in the "University of Missouri-Kansas City Guide to Formatting Theses and Dissertations", Turabian and discipline-approved bibliographic reference styles must be requested in writing and approved in advance by the dean of the School of Graduate Studies. A copy of the dean's official letter authorizing exceptions to formatting standards must be included as an appendix to the T/D.

The School of Graduate Studies provides formatting workshops at the beginning of each fall and spring semester. In addition, degree candidates may schedule individual conferences with the school's T/D Formatting Specialist during the first four weeks of the fall or spring semester and the first two weeks of the summer term to make sure they have interpreted the formatting guidelines correctly and to seek guidance on specialized formatting problems. Candidates should call the School of Graduate Studies office, (816) 235-**1161**, for time and place of workshops or to schedule a formatting conference.

Supervisory Committee Review and Approval of T/Ds:

Approval of the T/D begins with the degree candidate's supervisory committee. Candidates work closely with their research advisers while writing the various sections of the manuscript. The candidate's supervisory committee shall ensure that the scholarly content and style of the T/D is in keeping with recognized standards of the chosen discipline(s). Graduate degree candidates should periodically provide all members of their supervisory committee with preliminary drafts of the T/D for review and comment. Final drafts of the T/D, which incorporate all substantive revisions supervisory committee members have previously requested, should be submitted to all members of the candidate's supervisory committee at least eight weeks before the expected date of graduation. For both master's and doctoral-level degree candidates, when the supervisory committee members feel the work is complete and ready for final defense by the candidate, the committee members notify the supervisory committee chair by completing a Master's Thesis Preliminary Evaluation form or Doctoral Dissertation Preliminary Evaluation form and forwarding it to the supervisory committee chair. The supervisory committee chair and student may then schedule a final defense of the work.

School of Graduate Studies Review and Certification of Acceptance of T/Ds:

The deadline for submitting the T/D to the School of Graduate Studies for certification of acceptance is printed in the calendar section of the schedule of classes for each term. The actual date varies, but it is approximately six weeks before the end of the fall or spring semesters and four weeks before the end of the summer session. Prior to the published deadline for the term in which the degree candidates expect to graduate, they must present the following to the School of Graduate Studies office:

- One unbound copy of the T/D in final form, but not printed on archival quality, acid-free paper.
- The signed Preliminary Approval of T/D by Supervisory Committee form.

T/Ds normally will not be accepted for review for graduation during the current term unless they are received in the School of Graduate Studies by the published deadline. In the school, the T/D is reviewed by a Thesis/Dissertation Formatting Specialist for conformity to the campus formatting standards and by the graduate dean for quality of content. The school's review process generally takes from two to four weeks. The candidate will be notified to pick up the T/D and make all necessary formatting corrections before resubmitting the T/D to the School of Graduate Studies. Candidates who are out of the city must make arrangements to have the copy picked up locally or returned,

collect, by messenger service.

Candidates should print a copy of the approval page from the T/D on archival quality, acid-free paper meeting the requirements specified in the formatting guide, and take it to their T/D defense, and the supervisory committee members should sign the approval page in black ink. A copy of the approval page with the original signatures must be included in at least one copy of the T/D that is deposited in the libraries. The remainder of the manuscript should not be printed on the archival quality, acid-free paper until after the defense because the supervisory committee members may suggest final corrections or changes during the defense itself.

After the T/D defense, the student should submit a corrected final draft on plain paper to the School of Graduate Studies. This draft should be accompanied by the Master's Thesis Final Evaluation forms or Doctoral Dissertation Final Evaluation forms completed by each committee member. The graduate dean will review the thesis or dissertation for certification of acceptance. If the T/D has significant formatting problems, it will be returned to the candidate without further review or certification. The candidate will be required to make all necessary formatting corrections and resubmit the T/D to the School of Graduate Studies. If this happens, the candidate's graduation may be delayed. Enrollment in an additional term of continuous-graduate enrollment may be required.

Preliminary approval forms, Master's Thesis Preliminary and Final evaluation forms and Doctoral Dissertation Preliminary and Final evaluation forms are available from the School of Graduate Studies office in the Administrative Center (5115 Oak St.) and online at www.umkc.edu/sgs/forms.

When both components of the School of Graduate Studies review of the T/D are complete, the candidate is notified. If further format corrections are required, the School of Graduate Studies will hold the certificate of acceptance until appropriate revisions are made and rechecked by the formatting specialist. The candidate then picks up the certified copy of the T/D and the certificate of acceptance from the School of Graduate Studies office and may make final copies to deposit in the library. (See Final Thesis Examination and Supervisory Committee Approval under Master's Degrees Academic Regulations and Final Dissertation Examination under Doctoral Degree Programs (Ed.D., Ph.D., D.M.A.) later in this section.) Candidates who are out of the city must make arrangements to have the certified copy picked up locally or returned, collect, by messenger service.

Deposit of T/Ds with the Library:

The candidate makes any final revisions requested by committee members at the defense or the School of Graduate Studies and prints two copies on archival quality, acid-free paper, as specified in the formatting guide. The final step in the process is deposit of these two, unbound copies of the T/D with the appropriate UMKC library. Theses and dissertations must be published on microfilm through ProQuest Information and Learning University Microfilms International (UMI) Dissertation Information Service. There is a fee for microfilming. As an added optional service, UMI will handle the copyrighting process for theses and dissertations, if desired. The libraries require payment for both the required and optional UMI fees, in the form of a cashier's check or money order made out to ProQuest Information and Learning, at the time of deposit. Candidates should check with the Reference Librarian to confirm the current amount of these fees. **Deposit must be accomplished no later than the Friday immediately preceding the first day of classes for the next term.**

Application for Graduation

Completing degree requirements does not automatically result in conferral of the degree. Students must request that the University review their academic record and certify that degree requirements have been met. To make this request, students must file applications for graduation with the registrar no later than the end of the fourth week of the semester in which the degrees will be completed. Students graduating at the end of the summer session must file an application for graduation no later than the end of the second week of the summer session. An approved program/plan of study must be on file with the registrar at the time the student makes application to graduate. Filing applications for graduation initiates degree checks in the Registrar's Office. The students and their advisers receive a degree checklist which indicates any deficiencies the students must clear. Students should contact their advisers if there are questions about the checklist. The application for graduation also places candidates' names in the commencement program. In addition, when completion of degree requirements have been certified by the registrar, the Registrar's Office authorizes the diploma order.

Specific term deadlines for all graduate requirements are announced in the schedule of classes for each term. Students are responsible for being aware of and meeting these deadlines.

The registrar will certify degree completion if students' academic records (transcripts) show that they have completed all of the requirements listed on the approved program/plan of study.

Commencement

Advanced degree candidates are urged to attend commencement. Students should arrange for rental or purchase of a cap and gown at the University Bookstore at least six weeks before the graduation date.

Time Limit on Degree Credit for Master's and Educational-Specialist Degrees

Credit over seven years old at the time of graduation, which is included on the master's or educational-specialist program of study and has not been applied to a previous degree, may not be counted toward the fulfillment of a graduate degree program unless validated to the satisfaction of the department or school and the School of Graduate Studies. Petitions and affidavits for this purpose may be obtained from the School of Graduate Studies. A maximum of 30 percent of the student's program of study may be validated under this procedure.

In connection with an authorized leave of absence, an exception to the time limitation may be approved in advance.

MASTER'S DEGREES ACADEMIC REGULATIONS

The following general campus regulations pertain specifically to the master's degree. Master's students also should refer to Graduate Academic Regulations earlier in this catalog section for regulations common to all graduate degrees at UMKC and to specific degree program requirements in other sections of this catalog.

Adviser/Supervisory Committee

Upon admission to a graduate program, a student seeking a master's degree will contact the appropriate department chairman of the College of Arts and Sciences or the graduate officer of the professional school or program. This person will assign the student an adviser who is a member of the graduate faculty. When research and a thesis are degree requirements or the student has selected a thesis option, the Arts and Sciences department chair or the school's graduate officer will appoint two additional faculty members to serve on the graduate student's supervisory committee. The chair and a majority of the members of a master's student supervisory committee must be full members of the graduate faculty.

Qualifying Examination

If required, a qualifying examination must be passed before a master's program is filed with the graduate officer. The department or school will notify students of the time and date of the examination. The results of the qualifying examination will be reported to the registrar. With the approval of the adviser and the supervisory committee, if such exists, students may take the qualifying examination a second time.

Master's Degree Program of Study

In consultation with the adviser or the supervisory committee, the master's student plans a program of study in accordance with the minimum requirements listed here and the specific degree requirements listed elsewhere in this catalog. Forms for specifying individual programs of study are available from the principal graduate adviser or graduate officer of each academic unit. Students should file this program of study with the departmental principal graduate adviser (College of Arts and Sciences) or the graduate officer in their academic units before 60 percent of the coursework applicable to the degree is completed. In the College of Arts and Sciences, the principal graduate adviser secures required departmental approval and forwards the program of study to the graduate officer of the college.

After the proposed program has been approved, as required by the academic unit, the unit's graduate officer will distribute copies of the program of study to the registrar, the student's adviser or chair of the student's supervisory committee, the principal graduate adviser (Arts and Sciences) and the student.

The approved master's degree program of study must include a minimum of 30 graduate credits. No more than 40 percent of the credits on the program may be 300- and 400-level courses. At least 60 percent of the credits must be at the 5000 level or higher. Further, up to six credits may be allowed for Research and Thesis (5599). Other demonstrations of skills considered by the department or school as comparable to the thesis may be accepted. No more than 40 percent of the courses applied toward a

master's degree program of study may be in the non-thesis research, directed studies, readings or research and thesis categories. Such courses normally fall in the 5500 to 5599 range, but the numerical designations may vary among academic units.

Program Changes:

Subsequent changes in the program of study must be approved by the student's adviser, the supervisory committee and the appropriate dean or department chair. The graduate officer will inform the registrar of such changes. If cumulative changes in courses or degree requirements exceed four, a new program of study should be filed.

Dual Degree Programs at the Master's Level

Dual-degree programs allow students to simultaneously pursue degrees at the master's level in two fields of study. Students must complete at least 80 percent (rounded up) of the credit hours required for each degree separately. Students must satisfy admission, course and examination requirements of both degree programs.

Transfer Credit Policy for Master's Degrees

A maximum of 20 percent of the graduate credit hours appearing on the program of study (rounded up) may be transferred from a recognized graduate school for a master's degree at UMKC. Such transfer credits must meet with approval of the student's supervisory committee and appropriate principal graduate adviser (College of Arts and Sciences) or graduate officer and be in accordance with all of the following criteria:

1. The coursework must be:
    - Offered by an accredited school.
    - Applied toward a graduate degree at the host institution and taken for graduate credit.
    - Approved by the appropriate graduate faculty.
2. A grade of B (3.0) or higher for 300- and 400-level courses and C (2.0) or higher for 5000-level courses or other courses restricted to graduate students only must have been earned. (CR or P will be accepted on receipt of a statement from the institution where credit was received of letter grade equivalent meeting grade standards as stated above.)

Transfer credit may be allowed for correspondence courses, provided the credits meet the criteria outlined in 1 and 2 above. Transfer credit will not be accepted for research and thesis/dissertation hours (defined by UMKC), travel experience or work/life experience. Foreign university transfer credit must meet the above criteria as attested by the registrar.

A majority of the coursework applicable to any graduate degree at UMKC must be completed at UMKC. UM traveling scholar credits are not considered transfer credits. However, the sum total of credits from other UM campuses, and other transfer credits (not more than 20 percent of the total credits) cannot exceed 14 credits on a 30-credit master's degree program, or a proportional equivalent (approximately 46 percent) on programs exceeding 30 credits; and must be within the limits stated above.

A student who has been awarded a master's degree at UMKC or another regionally accredited graduate school may petition the faculty to apply up to six hours of graduate credit earned on the first degree toward meeting the requirements of a second master's degree. Credit, so approved, not from UMKC will be subject to all preceding transfer credit criteria.

See the sections on specific degree programs for requirements pertaining to transfer credit for educational-specialist and doctoral degrees.

After approval of the program of study, graduate credit may be earned at another institution only with prior approval of the dean of the School of Graduate Studies. Forms to request such approval are available from the Registration and Records Office. A current catalog of the institution where the course is to be taken or an official catalog description of each course must be attached to the request form. The official transcript for such work must be forwarded to the Registration Office upon completion of the course.

Final Master's Competency Examination

The final master's competency examination, if required, will be written, oral or both at the discretion of the school or department, and will be passed no later than three weeks prior to the anticipated date of graduation. Students will submit a request for the examination to the adviser no less than two weeks before the examination is to be taken. The candidate's supervisory committee chair will report the results of the final competency examination in writing to the candidate and to the principal graduate adviser (Arts and Sciences) or graduate officer, who will then inform the registrar.

Thesis Preparation and Approval

For regulations pertaining to thesis preparation and approval, the reader is directed to Thesis and Dissertation Preparation and Approval Process , included under Graduate Academic Regulations in this section.

Final Thesis Examination and Supervisory Committee Approval

The format and procedures of the final examination in defense of the thesis are determined by the supervisory committee and its chair. This examination may not be administered when UMKC is not officially in session. The defense of the thesis is approved when a majority of the supervisory committee members recommend approval and sign the Report of the Result of Final Master's Thesis Examination form and the committee approval page in the thesis.

Within 48 hours of the defense, the supervisory committee chair shall report the results of the final thesis examination in writing to the candidate and to the departmental principal graduate adviser (Arts and Sciences) or graduate officer, who then informs the registrar.

Deposit of Approved Thesis with Libraries

For regulations pertaining to deposit of approved thesis with libraries, refer t o Thesis and Dissertation Preparation and Approval Process , included under Graduate Academic Regulations in this section.

DOCTORAL DEGREE PROGRAMS (ED.D., PH.D., D.M.A.)

The Ed.D., Ph.D. and D.M.A. degree programs at UMKC have the following elements in common:

- Appointment of supervisory committees.
- Approval of doctoral programs or plans of study.
- Satisfaction of a doctoral residency requirement.
- Satisfactory completion of a doctoral comprehensive examination in order to advance to candidacy.

In addition, all Ph.D. programs and the Ed.D. program have the following elements in common:

- A work of original research or scholarship reported in dissertation form.
- Formal defense of the candidate's dissertation.

The specific requirements for satisfying these common elements may vary from program to program. Doctoral students are also subject to most of the minimum general graduate academic regulations and degree requirements listed in previous portions of this catalog section.

The following general regulations are minimum requirements. Each degree program may have regulations that are more stringent and would take precedence over the minimums stated previously. Refer also to graduate regulations described in previous sections that are common to all graduate or doctoral students and to degree requirements listed under the academic unit sections of this catalog.

Supervisory Committee

At the request of the non-interdisciplinary Ph.D. student, the D.M.A. student or the Ed.D. student, and upon the recommendation of the student's adviser, the graduate officer for the degree program will appoint a supervisory committee consisting of at least three members of the graduate faculty, including the student's adviser. While the chair of the initial supervisory committee can be a member of the graduate faculty, once the student has reached the dissertation stage, the committee must be chaired by a member of the University of Missouri doctoral faculty.

Non-interdisciplinary Ph.D. and D.M.A. student dissertation committees must have at least five members and Ed.D. student dissertation committees must have at least four members. The majority of the members of the non-interdisciplinary Ph.D., Ed.D. and D.M.A. dissertation committees must be doctoral faculty or regular graduate faculty members. All five members of Interdisciplinary Ph.D. student supervisory and dissertation committees must hold doctoral faculty status. See the Interdisciplinary Ph.D. academic regulations section for additional specifications for Interdisciplinary Ph.D. supervisory committees.

Qualifying Examination

The qualifying examination, if required, will be given before the doctoral program of study is filed with the graduate officer. At the discretion of the school or department and the supervisory committee, a master's degree from UMKC in the area of intended specialization may be considered as a substitute for the qualifying examination. Students must submit a request to take the qualifying examination to the appropriate department chair in the College of Arts and Sciences or the dean of that professional school. The results of the qualifying examination will be reported to the graduate officer, who will inform the student and the registrar. With approval of the adviser and supervisory committee, students may take the qualifying examination a second time.

Doctoral Programs of Study

Students should plan their programs of study in consultation with their advisers and supervisory committees. Forms for specifying individual programs of study are available from the principal graduate adviser or graduate officer of each academic unit. It is recommended that students file this program of study with the graduate officer in their academic units before 60 percent of the coursework applicable to the degree is completed. *(Interdisciplinary Ph.D. students must file their proposed plans of study and form their supervisory committees within 12 months of being fully admitted.)* No more than 40 percent of the program may be 300- and 400-level courses. After the proposed program has been approved, as required by the academic unit, the unit's graduate officer will distribute copies of the program of study to the registrar, the adviser and the student.

Subsequent changes in the program of study must be approved by the student's adviser, supervisory committee, the dean or department chairperson of the school in whose area the specialization is offered and the graduate officer, who also will inform the registrar of such changes. If cumulative changes in courses and degree requirements exceed four, a revised program of study should be filed.

Transfer Credit

Graduate credit earned before entering a UMKC doctoral program may be applied to the doctoral degree if it is of acceptable quality and appropriate to the student's program of study as determined by the student's academic unit or supervisory committee. The total amount of graduate credit earned before admission to a UMKC doctoral program and applied to the doctoral degree cannot exceed half the number of credit hours, exclusive of dissertation research credits, required for the degree. All graduate coursework, completed prior to admission and not used to earn the master's degree or educational-specialist degree, must be no more than seven years old at the time the doctoral program of study is approved.

After admission to the doctoral program, if a student wishes to take graduate coursework at another institution and apply it to his or her doctoral program, the student must receive written approval from the doctoral program's graduate officer or from the student's supervisory committee chair, as appropriate, before the coursework is taken. Such coursework is not considered as transfer credit. Upon completion of the coursework, the student must have the official transcript forwarded to the UMKC registrar.

Residency Requirements

Interdisciplinary Ph.D. Students:

Interdisciplinary Ph.D. students entering the program after the fall 2000 semester must satisfy the doctoral residency requirement by satisfactory completion of at least 21 credits, exclusive of dissertation research, in no more than 18 months. When satisfying the residency requirement, all Interdisciplinary Ph.D. students are subject to the following restrictions:

1. The doctoral residency requirement must be satisfied no later than the end of the semester in which the student completes his or her comprehensive examinations.
2. Students must achieve a cumulative graduate grade-point average of at least 3.0 in all courses counted toward satisfying the residency requirement.
3. Dissertation research credits (696 to 699) may not be counted toward satisfying the doctoral residency requirement

Interdisciplinary Ph.D. students who entered the program prior to the spring semester 2001 may choose to use the preceding residency requirement guidelines or the following guidelines that were in effect prior to that term: Three consecutive semesters (fall-spring-fall or spring-fall-spring) or three consecutive terms including one summer session (a fall and spring semester plus one adjacent summer session) of full-time enrollment after full admission to the program. In general, nine hours in a fall or spring semester or five hours in a summer session is considered full-time enrollment for graduate students. The following are several exceptions to this general rule:

- For purposes of fulfilling the Ph.D. residency requirement, six hours enrollment in the fall or spring and three hours enrollment in the summer will be considered full-time enrollment for a Ph.D. student with at least a .25 FTE GTA/GRA appointment.
- For purposes of fulfilling the Ph.D. residency requirement, six hours enrollment in the fall or spring and three hours enrollment in the summer will be considered full-time enrollment for Ph.D. students who are UMKC employees, with academic appointments of at least .5 FTE.
- The credit-hour requirement to be classified as a full-time student and to satisfy the Ph.D. residency requirement for students who hold full-time teaching appointments at regionally accredited four-year institutions of higher education will be the same as for students holding a GTA/GRA appointment at UMKC.

Non-Interdisciplinary Ph.D. and Ed.D. Students:

The residency requirement for the Ed.D. student or non-interdisciplinary Ph.D. may be satisfied using the same guidelines stipulated for Interdisciplinary Ph.D. students, or in any one of the following alternate ways:

1. Two consecutive semesters of 12 credits each term of resident coursework at UMKC following the completion of at least 24 credits of graduate study.
2. Three terms of eight credits each term of resident coursework at UMKC, to be completed within 18 months and following the completion of at least 24 credits of graduate study.
3. Two consecutive semesters of nine credits each term of resident coursework at UMKC while employed at least half time for the University in teaching or research and following the completion of at least 24 credits of graduate study.

D.M.A. Students:

The residency requirement for the D.M.A. may be satisfied in any one of the following ways:

1. Two consecutive semesters with a minimum of nine credits each.
2. One semester with a minimum of nine credits and two summer sessions with a minimum of five credits each, provided that the full-time semester is adjacent to one of the summer sessions. It is expected that the summer sessions be consecutive.
3. Completion of 24 credits within 18 consecutive months.

Comprehensive Examination

To advance to degree candidacy, doctoral students are required to pass a comprehensive examination. D.M.A. students selecting a non-dissertation option may satisfy the comprehensive examination requirement during their final semester. For all other doctoral students, the comprehensive examination must be successfully completed at least seven months before the date of graduation:

- For graduation in May: Nov. 1.
- For graduation in July: Dec. 1.
- For graduation in December: May 1.

The following requirements must have been met before students can take the comprehensive examination(s):

1. Assignment of a supervisory committee.
2. Successful completion of the qualifying examination, if required.
3. Filing and approval of the program of study and completion of essentially all coursework required for the degree.
4. If required by the academic unit, satisfactory demonstration of foreign language proficiency through accepted coursework or other evidence specified by the student's supervisory committee.
5. Completion of residency in most cases.

The comprehensive examination may be written, oral or both. Through their advisers, students will apply to the graduate officer in their academic unit for an examining committee to be composed of a minimum of five members of the graduate faculty. This committee shall consist of members of students' supervisory committees and such

others as the graduate officer may select.

The examination will be arranged and supervised by the adviser. It will generally terminate within one month after it starts. Upon satisfactory completion of the examination, the student's adviser sends a report of the results of the examination, with the signatures of all members of the examining committee, to the graduate officer, who, in turn, informs the student and the registrar.

A student is considered to have passed the comprehensive examination if all, or all but one member, of the examining committee vote that the candidate passes. If failure is reported, the examining committee will either recommend termination of status as a doctoral student or suggest additional work or other remedial measures. Furthermore, a student who has failed may not take a second examination for at least 12 weeks. Failure of a second comprehensive examination shall automatically preclude candidacy at this institution.

Program Time Constraints

The doctoral student must take and pass the doctoral comprehensive examination and advance to candidacy within five years from the beginning of doctoral coursework (within four years if entering with a master's degree in the same or closely related field). After the establishment of degree candidacy, a maximum of five years will be allowed for completion of degree requirements. Failure to complete the work within the periods specified will necessitate re-evaluation of the entire program and may result in a notice of termination. In compelling circumstances and on the written recommendation of a majority of the student's supervisory committee members, the dean of the School of Graduate Studies may grant a one-year extension. Some academic units may impose more stringent time requirements.

Required Enrollment

See Continuous Graduate Enrollment Requirement, included in the Graduate Academic Regulations part of this section.

Dissertation and Completion of Degree

Doctoral Dissertation Requirement

All UMKC Ph.D. degrees and the Ed.D. degree require a dissertation as the final component of the program. The dissertation is also a requirement in some D.M.A. programs and an option in others. The doctoral faculty view the dissertation as one of the most important aspects of the student's experience because:

- It is a work of original research or scholarship that makes a contribution to existing knowledge.
- It is an educational experience that demonstrates the candidate's mastery of research methods and tools of the specialized fields.
- It demonstrates the candidate's ability to address a major intellectual problem.

For regulations pertaining to formatting the dissertation and the process for approval, the reader is directed to Thesis and Dissertation Preparation and Approval Process, included under Graduate Academic Regulations in this catalog section.

Final Dissertation Examination

Final examinations in defense of the dissertation are open to all members of the doctoral faculty, who may attend as interested observers. The format and procedures of the defense are determined by the supervisory committee and its chair. The date, time and location must be announced and published at least two weeks before each final examination takes place. This examination may be conducted only after the dissertation has been approved by the dean of the School of Graduate Studies, and may not be administered when UMKC is not officially in session.

The defense of the dissertation is approved when a majority of the supervisory committee recommend approval and sign the Report of the Result of Final Doctoral Examination form. Within 48 hours of the defense, the supervisory committee chair will report the results of the final dissertation examination in writing to the candidate. For non-interdisciplinary doctoral candidates, the supervisory committee chair also will report the results of the defense to the principal graduate adviser (Arts and Sciences) or graduate officer. The departmental principal graduate adviser (Arts and Sciences) or graduate officer, in turn, informs the registrar.

Deposit of Approved Dissertation with Libraries

For regulations pertaining to deposit of the approved dissertation with the libraries, refer to Thesis and Dissertation Preparation and Approval Process, included under Graduate Academic Regulations in this catalog section.

General Graduate Admission Policies for International Applicants

General Graduate Admission Policies

Minimum Admission Requirements

Graduates of schools outside the U.S. may be considered for admission to a graduate degree program at UMKC, subject to the following criteria.

1. They must have completed a course of study at least the equivalent of a U.S. baccalaureate degree.
2. They must have above-average grades in previous college study.
3. They are required to establish proof of adequate English proficiency as part of the UMKC admissions process. Applicants from countries in which English might be one of the official languages, but is not necessarily the first language of the majority of the population, must attain a minimum composite score of either 550(PBT), 213(CBT), or 80(iBT) on the Test of English as a Foreign Language (TOEFL), or a score of 6.0 on the IELTS to be considered for admission.* The results of the examination must be received in the UMKC International Student Affairs Office before the application deadline. Exceptions to this policy:
    - Non-native speakers who hold degrees or diplomas from post-secondary institutions in English-speaking countris (such as the United States, Antigua, Australia, Bahamas, Barbuda, Belize, Canada, Dominica, Fiji, Gambia, Ghana, Guyana, Ireland, Jamaica, Liberia, Mauritius, New Zealand, Sierra Leone, Solomon Islands, South Africa, St. Christopher (St. Kitts), St. Lucia, St. Vincent, Tobago, Trinidad, Uganda, United Kingdom [England, Scotland, Wales and Northern Ireland], Zambia and Zimbabwe), provided they have spent a minimum of two years in successful full-time study there and English was the medium of instruction.
    - International transfer students from other institutions in the United States or Canada who have spent a minimum of two years in successful full-time study.
4. In addition to 1 through 3 above, international graduate students must satisfy any program-specific admission criteria. For instance, the Graduate Management Admission Test (GMAT) is required for applicants for graduate study toward the M.B.A. degree. Several programs require TOEFL scores that are well above the minimum stated previously. The Graduate Record Examination (GRE), including the appropriate Advanced Test, is either required or strongly recommended for all other international graduate applicants. International students planning to apply are directed to consult the appropriate degree program listing for additional criteria and medical requirements.

*For TOEFL information contact

The Educational Testing Service
Princeton, NJ 08541, U.S.A.
http://www.ets.org

For IELTS contact

The International English Language Testing System
http://www.ielts.org

Detailed information can be obtained from U.S. embassies, consulates general, bi-national centers and other offices throughout the world.

Deadline for Application for Admission

As noted in the general section on graduate admissions, the graduate degree programs at UMKC have varying schedules for receiving, reviewing and acting on applications for admission. Applicants are directed to the program listings elsewhere in this catalog. This institution reserves the right to consider applicants for the most appropriate term. Generally, international students applying from overseas will be considered for admission to the fall semester only.

Required Academic Records for International Applicants

Applicants must provide complete and official certificates, in English, of all degrees, diplomas, mark sheets, grade reports and examination records. Secondary school records must be submitted in all cases in addition to the college/university transcripts or credentials.

INTERNATIONAL APPLICANT AND STUDENT FINANCIAL STATEMENT

International students must present evidence of sufficient finances to cover their university and personal expenses while they are attending UMKC. A prescribed financial statement must be completed and returned with their other application materials. UMKC will not assume any financial responsibility for international students. Students seeking admission to the graduate level after an undergraduate program must submit a new financial support statement.

ADDITIONAL INFORMATION AND FORMS

International applicants to graduate programs who want more information and forms to apply for admission can go to http://www.umkc.edu/isao or write:

International Student Affairs
University of Missouri-Kansas City
5100 Rockhill Road
Kansas City, MO 64110-2499, U.S.A.

Forms to apply for graduate admission can also be downloaded from one of the following Web sites:

- Application forms for admission to master's degree programs, the doctor of musical arts programs and the Ph.D. in counseling psychology: http://onestop.umkc.edu/forms.cfm.
- Application forms for admission to the Interdisciplinary Ph.D. program: http://www.umkc.edu/iphd.

SPECIAL INSTITUTIONAL REGULATIONS FOR INTERNATIONAL GRADUATE STUDENTS

In addition to the minimum graduate academic regulations and degree requirements common to all graduate students or specific to their particular degree programs, international graduate students at UMKC are subject to the following special requirements and regulations:

Registration with Student Adviser

Admitted international students must clear their attendance and register at the office of the international student adviser prior to their first registration at UMKC. Once admitted, international graduate students must show satisfactory and regular progress toward their graduate degrees.

Health Insurance

International students are required to purchase UMKC mandatory, exclusive health insurance.

English Proficiency Requirements

Proficiency in written and spoken English is essential to international graduate students' success in their degree programs at UMKC. To ensure that all international graduate students either already have, or have an opportunity to acquire, these necessary skills at a level appropriate to their degree program, the Graduate Officers Committee supports the following guidelines:

- Current minimum TOEFL scores for entering students and graduate teaching assistants should be strictly adhered to by all academic units without exception.
- Prior to their first enrollment in classes at UMKC, newly admitted international graduate students must take the English Evaluation Examination conducted by the UMKC Applied Language Institute (ALI) unless they are exempted from this requirement by virtue of having achieved a TOEFL score of at least 600/CBT 250.
- Based on results of the English Evaluation Examination scores, such students must enroll in and successfully complete the applied language courses indicated as necessary by the student's academic unit in consultation with the UMKC Applied Language Institute.
- Prospective international graduate students should be aware that required coursework in English as a second language may add extra time to their individual graduate programs of study.
- The only international graduate students exempted from this policy are the following:
  - Native English speakers from English-speaking countries such as Canada, England, the Republic of Ireland, Australia and New Zealand.
  - Non-native English speakers who hold degrees or diplomas from post-secondary institutions in English-speaking countries (such as the United States, Canada, England, the Republic of Ireland, Australia and New Zealand) provided that they have spent a minimum of two years of successful full-time study and English was the medium of instruction.

Policy on Award of Teaching Assistantships

In 1986, the Missouri State Legislature and the University of Missouri Board of Curators adopted a policy which seeks to guarantee effective, high quality instruction for undergraduates. The state has mandated, and the Board of Curators fully supports the ruling, that graduate students who did not receive both their primary and secondary education in a nation or territory in which English is the primary language may not hold a teaching appointment during their first term of enrollment at any public institution of higher education in the state of Missouri. In addition, all such students shall be tested for their ability to communicate orally in English in a classroom setting and, those students who have not previously lived in the United States shall be given a cultural orientation to prepare them for teaching prior to receiving an appointment.

At UMKC, the following standards are in effect for graduate students whose first language is not English and who wish to be considered for graduate teaching assistant (GTA) appointments:

- They must have been enrolled at UMKC at least one term prior to receiving a GTA appointment.
- They must have attained a minimum official TOEFL score of 550/cbt 213.
- They must take the SPEAK (Speaking Proficiency English Assessment Kit) test and receive a score of 50 or higher. This test is offered once, at no charge, through UMKC's Applied Language Institute (ALI) to graduate students whose first language is not English and who have attained the required minimal TOEFL score of 550/cbt 213.
- If they have not previously lived in the United States, they must participate in the cultural orientation program provided by the School of Graduate Studies. The orientation covers policies and procedures pertaining to teaching and grading; a profile of UMKC's student body; an introduction to degrees offered at UMKC; an overview of the U.S. system of higher education and teaching strategies and techniques. The orientation program is held over several days during the week prior to the beginning of classes for the fall semester.
- Early in the fall semester, they must present a simulated 8-10 minute lecture or laboratory demonstration that will be videotaped for review and approval of their verbal communication skills by the dean or director of the programs in which they will have a GTA appointment and by the School of Graduate Studies.

Graduate Teaching Assistant Certification for Students Whose First Language is not English:

A graduate student whose first language is not English must have satisfied each of the above standards in order to be certified to accept a GTA appointment. Graduate students whose first language is not English and who are interested in being considered for appointment as teaching assistants may make arrangements for the required SPEAK test through the ALI office, which is located at 5301 Rockhill Road. To schedule SPEAK tests, students may call (816) 235-**1233**. This phone has a voice message box; students should leave a name and phone number if no one is present to take their call.

For information on dates, or to register for the next Cultural Orientation series, contact the School of Graduate Studies (816) 235-**1161**.

If students do not make the required minimum score on the first taking of the SPEAK test, or if their videotaped simulated lecture is not approved, they must enroll in English 100-E Special Studies in Culture Research and Pedagogy for IGTAs. This one-credit-hour course is offered during the last eight weeks of each fall term. If students do not make the required minimum score on the SPEAK test when it is re-administered during English 100-E, they must then enroll in the three-credit-hour course, English 100-F SS: Academic English/International Grad Teaching Assistants and Applicants in a subsequent semester.

Exceptions to any of these certification standards must be authorized by the dean of the School of Graduate Studies. Departments wishing to request an exception for a student must submit a written petition for exception to the graduate dean, including full justification supporting the request, prior to the beginning of the term for which the GTA appointment is sought.

UM Traveling Scholar Program

This cooperative program is designed to provide breadth and depth in the opportunities for graduate study offered at the four campuses of the University of Missouri. Advanced graduate students are permitted to enroll on other UM campuses in courses that are not available on their home campus. Normally, enrollment at the host campus is limited to no more than two courses per semester. Only students in good standing who have been admitted to a graduate degree program on the home campus may participate.

Courses completed at the host campus must be applicable toward requirements for the degree sought by students at the home campus, either by way of transfer credit or as resident courses. Interested students should contact the School of Graduate Studies or their principal graduate adviser for additional information.

Cooperative Doctoral Degrees

Through the UM cooperative doctoral program, graduate faculty members who hold membership in the doctoral faculty of the University of Missouri are eligible to serve as directors of doctoral dissertations on their resident campus, as well as on any of the other three campuses offering a doctoral degree in the doctoral-faculty member's academic field. Students who want to pursue doctoral degree programs in conjunction with one of the other three campuses of the University of Missouri may do so in accordance with the guidelines listed below. The registrars at UMC, UMR, or UMSL can provide information on admission procedures for the doctoral programs on their respective campuses. The cooperative program is particularly appropriate for students seeking a doctoral degree that is not offered at the campus where they currently are enrolled. Direct specific inquiries regarding participation by doctoral faculty on the UMKC campus to the dean or chairperson of the UMKC academic unit offering a graduate program in the desired field of study.

In the following guidelines, the terms primary campus, graduate school or dean refer to that granting the degree.

- Students must be accepted by the department or area granting the degree and must comply with all the rules of the primary graduate school and discipline/area regulations.
- The dissertation adviser must be a member of the doctoral faculty of the University.
- Advisory/supervisory committees, comprehensive committees and oral committees, as required, will be appointed by the primary graduate dean in consultation with the graduate dean on the participating campus, drawing on faculty on both the cooperating and primary campus:
    1. The makeup of each committee normally will be recommended by the major adviser with the approval of the appropriate director of graduate studies/department chair/divisional dean as per normal campus procedures.
    2. In cases where students are on a cooperating campus:
        1. The adviser/supervisory committee chair may or may not be on the same campus. If that person is on the cooperating campus, at least three of the five members of the committee will be from the primary campus.
        2. Students must complete the residency requirement on the primary campus. Exceptions to this ruling must be justified fully with emphasis on quality and cost considerations and must have the approval of the primary graduate dean.
- Selection of the cooperating departments and preparation of a program must be completed at the earliest possible moment and communicated via the primary graduate dean to the participants involved. Both graduate deans will maintain program files relative to students. Respective graduate deans are responsible for the quality of that portion of the cooperative program that is performed on their campus and under the jurisdiction of their faculty.
- Reporting of the degree shall be the responsibility of the primary campus. The cooperating campus shall be given credit in terms of student credit hours and/or dissertation credits for the work completed on that campus and shall provide suitable recognition of dissertation advisers and the committee members.

Graduate Teaching and Research Assistantships

Financial support for graduate students is most frequently provided through the academic unit in which the student is enrolled. This support may be in the form of a Graduate Teaching Assistantship (GTA), a Graduate Research Assistantship (GRA) or a named fellowship. The stipend amounts and number of awards vary from unit to unit. Students interested in consideration for such support should contact the principal graduate adviser or graduate officer in the respective unit for information on application procedures and deadlines.

Each semester, students who hold GTA or GRA appointments also may be recommended by their academic units for chancellor's GTA/GRA fee remission awards. These awards cover the basic graduate educational fee for six credit hours.

For students who are not residents of Missouri, an additional benefit of having a GTA or GRA appointment is that it qualifies them for a chancellor's non-resident fee remission. A minimum FTE of 25 percent (a full-time equivalent of 100 percent is 40 hours) is required to be eligible for this award.

Federally Supported Sources of Financial Aid

Graduate students who are U.S. citizens or permanent residents and who are enrolled at least half-time, with financial need demonstrated via the FFS analysis, may be considered for aid through the College Work Study Program. They also may apply for a Perkins Loan (formerly NDSL) or a Guaranteed Student Loan. Additional information on these programs is available from the

UMKC Financial Aid and Scholarships Office
Administrative Center, Room 116
5115 Oak Street
Kansas City, MO 64110-2499
(816) 235-**1154** (Kansas City Metro)
1-800-775-8652 (Outside of Metro)
finaid@umkc.edu
http://www.umkc.edu/finaid

Staff members are available for information, inquiries and assistance with applications from 8 a.m. to 5 p.m. weekdays.

Institutionally Supported Fellowship and Award Competitions

The School of Graduate Studies administers a number of annual competitions for graduate fellowships. Fellowship stipends vary from $600 to $15,000. Some include remission of portions of the graduate education fees and all include remission of non-resident fees, if applicable. Detailed information and application forms are available from the School of Graduate Studies office. Applications normally are due in the early spring (February and March) for fellowships to be awarded for the following academic year. Application deadlines, eligibility and selection criteria, and PDF versions of the application forms are posted on the School of Graduate Studies Web site: http://www.umkc.edu/sgs.

Fees

Fee Information

Information about fees is only for the school year 2007-08. Educational fees are governed by the University of Missouri Board of Curators; therefore, new educational fee schedules cannot be provided until approved by the Board of Curators.

Although the University expressly reserves the right to change any and all fees and other charges at any time without advance notice, UMKC provides current fee information, when approved by the UM Board of Curators, as soon as possible in the online version of the Undergraduate and Graduate Catalogs (http://www.umkc.edu/catalog), as well as in each term's registration guide. (http://www.umkc.edu/sched/registrationguide.htm) This guide is available from the Registrar's Office in the Administrative Center, 5115 Oak St., during the registration period for that term.

Fees for coursework vary with the number of hours of enrollment; the student's undergraduate, graduate or professional school status; the term of enrollment; and the applicability of any special fees.

- General
  - Student Program/Use Fees
  - Non-Resident Tuition Scholarships
  - Non-Resident Educational Fees
  - Metro Rate
  - Partial Hours
  - Other
  - Audited Courses
- Payment of Fees
  - Late Payment Fee
  - Use of Credit Cards
  - Advance Deposit on Student Fees
  - Late Registration Fee
  - Handling Charge for Returned Checks
  - Student Financial Responsibility
  - Interstate Agreements
- Refund of Fees
- Housing
- Fee Schedule

USE OF CREDIT CARDS

MasterCard or Discover Only

Credit card payments can only be made via:

- Online Web site - http://www.umkc.edu/~payroos
  This Web site will direct you to the University's vendor for credit card processing.
  A service fee will be charged by the third party vendor.
- Self-Service Center (computer kiosk)
  Registrar's Office, AC, Room 115
  A service fee will be charged by the third party vendor.

ADVANCE DEPOSIT ON STUDENT FEES

To reserve a position in the professional schools, a newly accepted student must make a deposit toward fees due. This payment will be credited to the student's educational fee account when enrollment in the program is complete. It is not transferable between professional schools. The deposit amounts are:

Dental Graduate Program	$500
Dentistry Four-Year Program	$200
Schools of Medicine, Pharmacy and Law	$100
Dental Hygiene	$ 50

The advance deposit is a nonrefundable fee.

LATE REGISTRATION FEE

Every student who completes registration after 8 a.m. on the first day of classes must pay a late fee. For 2007-08, the late fee will be $35.

HANDLING CHARGE FOR RETURNED CHECKS

There will be a service charge of $25 for all returned checks (paper or electronic). If a check presented to the University for payment of student fees is returned unpaid after 8 a.m. on the first day of classes, the student issuing the check will be considered a late registrant and will be subject to late registration fees, as stated above.

STUDENT FINANCIAL RESPONSIBILITY

It is the responsibility of all students to promptly pay fees and other financial obligations to the University as they become due. The non-payment of any financial obligation may result (at the University's option) in withdrawal of the student from the University or denial of the student's readmission or continued enrollment. Such withdrawal does not relieve the student of the financial obligation. Collections will be pursued, including referral to collection agencies and credit bureaus. Students will be responsible for the collection fees. Outstanding financial obligations may prevent student records from being released.

LATE PAYMENT FEE

Student accounts will be subject to a late fee of $10 when payment is not received by the scheduled due date as communicated on the student's Monthly Billing Statement. If the Minimum Payment or Billed Balance Due is paid on or before the scheduled due date, no late fees will apply.

INTERSTATE AGREEMENTS

Interstate Agreements with Kansas and Nebraska for Exchange of Students on Resident Fee Basis

By joint agreement of the Board of Curators of the University of Missouri and the boards of regents of the University of Nebraska and the University of Kansas, qualified students who would be eligible to pay only resident fees at the University of Missouri may enroll in certain programs in Kansas and Nebraska and be charged at the rate paid by students residing in those states. At the same time, qualified students who would be eligible to pay only resident fees in Kansas and Nebraska may enroll in certain programs on one of the campuses of the University of Missouri and be charged fees at the rate paid by Missouri residents.

General

Student Program / Use Fees

For 2007-08, the Student Program User Fee will be $15.22 for up to 12 credit hours per semester. This fee has four components:

- The Student Activity Fee is $4.25 per credit hour and funds student clubs and organizations as well as a variety of student activities and services.
- The Intercollegiate Athletic Fee is $4.28 per credit hour and provides support for the UMKC's men's and women's intercollegiate athletic programs.
- The Physical Facilities Fee is $0.67 per credit hour and funds student-related facilities repair and renovation.
- The University Center Fee is $6.02 per credit hour and supports the remodeling and repair of the University Center, as well as day-to-day operating costs.

The fee for the Associated Students for the University of Missouri will be 15 cents per credit hour for up to 10 credit hours per semester or up to six credit hours in the summer. Further, an Information Technology Fee of $11.70 per credit hour will be assessed.

All students enrolled in an on-campus course will be designated a student fee of $30 for Fall Semester, $30 for Spring Semester and $15 for Summer Session for the multipurpose recreation facility.

A student health fee of $3.74 per credit hour will be assessed. This fee funds the student health and wellness service. For more information about health services for students, please see Counseling, Health and Testing Center, which appears in the Division of Student Affairs section of this catalog.

Non-Resident Tuition Scholarships

Non-resident students who take a part-time credit load of six hours or less during a 16-week term, or three hours or less during an eight-week term, may be eligible to receive a tuition scholarship to offset the non-resident portion of their educational fees. This tuition scholarship is not available to non-resident students taking more than six hours during a 16-week term or more than three hours during an eight-week term. Dropping classes from full-time to six or fewer hours during a 16-week term, or three or fewer hours during an eight-week term, does not make the student eligible for the part-time tuition scholarship.

Non-resident students who had a Missouri income tax liability may be eligible for the Missouri Taxpayers Tuition Scholarship. Application forms and further information can be obtained from the UMKC Cashier's Office, which is located in the Administrative Center, 5115 Oak, Room 112.

Non-Resident Educational Fees

Students not residing in Missouri are considered non-residents and pay fees according to the non-resident fee schedule. Information concerning change of residency status may be found in the Residence and Educational Fee Rules.

A copy of this booklet may be obtained from the UMKC Admissions Office in the Administrative Center, 5115 Oak, Room 120.

To have a copy of this booklet mailed to you, send your request to UMKC Admissions Office, 120 Administrative Center, 5100 Rockhill Road, Kansas City, MO 64110-2499.

Metro Rate

The Metro Rate is a program benefiting undergraduate, non-professional students who are legal residents of Johnson, Leavenworth, Miami or Wyandotte counties in Kansas. These students will be assessed educational fees equivalent to those of a Missouri resident (the "in-state" rate). Questions about the Metro Rate may be directed to the Office of Admissions. The phone number is 816-235-1111. More information about this program is at http://www.umkc.edu/admissions and http://www.umkc.edu/metrorate.

Partial Hours

Fractional credit hours shall be assessed at the next higher full-hour rate.

Other

For any sessions other than those specified, or for any fee that cannot be calculated on a per-credit-hour basis, the session fee or per-credit-hour fee shall be prorated.

Audited Courses

Courses taken for audit and courses taken for reduced credit will be assessed according to their normal credit value. Students enrolling in a non-credit course are required to pay fees according to the equivalent credit of the course.

Payment of Fees

Payment of Fees

UMKC offers a minimum payment plan (Optional Minimum Payment Plan) to pay educational fees. The number of payments allowed depends on the date of registration. The plan is similar to the credit-card payment concept. The amount billed must be paid when due. Additional amounts paid do not affect the need to pay the next billed amount.

There is a finance charge of one percent per month on any unpaid balance. Failure to make required payments on a timely basis could result in withdrawal from classes.

All University fees must be paid in full by the deadlines specified in the current term's registration guide. (http://www.umkc.edu/sched/registrationguide.htm) Exceptions may be allowed when prior arrangements are made to bill an employer or government agency.

Please refer to the student course catalog applicable for the registered term to find payment dates and options.

Refund of Fees

Refund of Fees

Students leaving school or dropping courses for which they have paid fees will receive, subject to certain exceptions (such as the late registration fee), ***a refund of fees*** in

accordance with the following schedule.

Refunds are initiated through the Registration Office by presenting a petition for change of official program, signed by an authorized representative of the dean's office, or by written request directly to the Registration Office. The postmark on the envelope of the withdrawal letter is used as the refund date.

Refunds may also be initiated by using Pathway 24/7 at http://pathway.umkc.edu.

A letter requesting cancellation of registration and full refund of fees must be postmarked or requested in Pathway not later than the day prior to the date UMKC coursework begins for that term.

Calendar for Refunds

The last day for refunds can be found in the following schedule:

Fall 2007	Spring 2008	Refund	16wk.1st-8wk.2nd-8wk.	16wk.1st-8wk.2nd-8wk.	
100%	8/19	8/19	10/14	1/13	1/13	3/9
80%	8/25	8/22	10/17	1/18	1/16	3/12
60%	8/31	8/24	10/19	1/28	1/18	3/14
40%	9/10	8/29	10/24	2/4	1/23	3/18
20%	9/17	8/31	10/26	2/11	1/28	3/21

Note: Because students have access to drop classes on Pathway 24/7, some of these dates may fall on the weekend.

Official dates for the fee refund schedule can be found at http://www.umkc.edu/adminfinance/finance/cashiers/feestructure.asp

UMKC will adjust this schedule individually to meet federal regulations.

All continuing education credit courses for the duration of the term are subject to this schedule.

Refunds are computed by the Cashier's Office prior to checks being drawn. Deductions may be made from the refund for any financial obligations due the University or federally funded financial aid that may require the return of the refund to the program from which it came. Decisions concerning refunds may be appealed, in writing. You may mail your appeal request to:

Mailing Address

University of Missouri-Kansas City
Registrar's Office
115 Administrative Center
5100 Rockhill Road
Kansas City, MO 64110-2499

You may bring your appeal request to the Registrar's Office, located in the Administrative Center, 5115 Oak.

Housing

HOUSING

On-Campus Housing

The UMKC Department of Residential Life offers two housing options for its students, both conveniently located on the west side of the campus near the University Center, Swinney Recreation Center, and within easy walking distance of all Volker campus buildings.

- The 326-bed Cherry Street Residence Hall located at 5030 Cherry offers a traditional-style hall with a mandatory food plan.
- The new Oak Street Residence Hall opened in fall of 2004 and features suite-style living for 561, also with a mandatory meal plan.

Complete information about each of these facilities is available online at:

http://www.umkc.edu/housing.

Residence Hall Charges

Please refer to http://www.umkc.edu/housing/rates.asp for the complete lists of prices for the two residential facilities. For further information concerning housing at UMKC please contact:

UMKC Office of Residential Life
Cherry Street Residence Hall, Room 109
5030 Cherry Street
Kansas City, MO 64110
(816) 235-**8840**

Mailing Address
University of Missouri-Kansas City
Residential Life Office
5100 Rockhill Road
Kansas City, MO 64110-2499

Off-Campus Housing Service

A housing service provides free information to UMKC students on available off-campus housing in the Kansas City area. The service is provided by the Welcome Center, located in the Office of Admissions. For more information visit:

Welcome Center
Administrative Center, Room 120
5115 Oak Street
(816) 235-**8652**
Fax: (816) 235-**5544**
welcome@umkc.edu
http://www.umkc.edu/welcome

Mailing Address
University of Missouri-Kansas City
Welcome Center
5100 Rockhill Road
Kansas City, MO 64110-2499

Fee Schedule

FEE SCHEDULE

Note: The University reserves the right to modify by increase or decrease the fees charged for attendance and other services at the University, including but not limited to educational fees, at any time when in the discretion of the governing board the same is in the best interest of the University, provided that no increases can or will be effective unless approved by the governing board not less than thirty (30) days prior to the beginning of the academic term (semester, etc.) to which the fees are applicable and such increase does not exceed ten (10) percent over the fee level existing immediately prior to the increase, with all modification of fees to be effective irrespective as to whether fees have or have not been paid by or on behalf of a student prior to the effective date of the modification.

Fall Semester 2007, Spring Semester 2008

	Educational Fee	Student**(a)** Programs User Fee	Info. Tech. Fee	Student Health Fee**(b)(b)**	ASUM Fee	Total Per Hour	Multi-**(c)** Purpose Bldg. Fee	Maximum
Missouri Resident Fee Schedule								
Undergraduate**(d)**	$235.90	$15.22	$11.70	$3.74	$0.15	$266.71	$30.00	---
Graduate	$286.90	$15.22	$11.70	$3.74	$0.15	$317.71	$30.00	---
Law, J.D.	$458.40	$15.22	$11.70	$3.74	$0.15	$489.21	$30.00	---
Law, LL.M.	$534.70	$15.22	$11.70	$3.74	$0.15	$565.51	$30.00	---
Pharmacy, Pharm.D. Flat Rate								$8,236.01
Pharmacy, Graduate	$393.00	$15.22	$11.70	$3.74	$0.15	$423.81	$30.00	---
Medicine (1-2)**(e)**	$578.80	$15.22	$11.70	$3.74	$0.15	$609.61	$30.00	$9,707.01
Medicine (3-6) Flat Rate**(e)**								$10,569.39
Anesthesia, Graduate Flat Rate								$10,499.41
Dentistry, D.D.S. Flat Rate								$11,823.81
Dentistry, Graduate	$874.50	$15.22	$11.70	$3.74	$0.15	$905.31	$30.00	$12,665.81
Missouri Non-Resident Fee Schedule								
Undergraduate	$591.10	$15.22	$11.70	$3.74	$0.15	$621.91	$30.00	---
Graduate	$740.80	$15.22	$11.70	$3.74	$0.15	$771.61	$30.00	---
Law, J.D.	$905.10	$15.22	$11.70	$3.74	$0.15	$935.91	$30.00	---
Law, LL.M.	$1,058.10	$15.22	$11.70	$3.74	$0.15	$1,088.91	$30.00	---
Pharmacy, Pharm.D. Flat Rate								$17,587.01
Pharmacy, Graduate	$892.30	$15.22	$11.70	$3.74	$0.15	$923.11	$30.00	---
Medicine (1-2)	$1,157.60	$15.22	$11.70	$3.74	$0.15	$1,188.41	$30.00	$18,967.81
Medicine (3-6) Flat Rate								$20,669.19
Anesthesia, Graduate Flat Rate								$15,549.41

Dentistry, D.D.S. Flat Rate								$23,123.01
Dentistry, Graduate	$1,745.90	$15.22	$11.70	$3.74	$0.15	$1,776.71	$30.00	$24,865.41

Other Fees

Late Registration Fee	$35.00	
Applied Music Fee	$193.00	Per Semester
Clinical Nursing Fee	$155.10	Per Credit Hour
Geoscience Lab Fee	$10.00	Per Semester
Media Studies Lab Fee	$25.90	Per Credit Hour
SCE Undergraduate Supplemental Fee	$52.30	Per Credit Hour
School of Education Course Fee	$10.00	Per Credit Hour
Science Lab Fee	$10.40	Per Credit Hour
Studio Arts Fee	$23.40	Per Credit Hour
Graduate Cluster Fees:		
Accountancy	$30.90	Per Credit Hour
Business Administration	$30.90	Per Credit Hour
SCE	$52.30	Per Credit Hour

(a)

Breakdown of Student Program User Fee (assessed on the first 12 hours): University Center Fee $6.02; Athletic Fee $4.28; Student Activity Fee $4.25; Physical Facilities Fee $0.67.

(b)

Student health fees will be assessed on the first 12 hours per semester. ASUM (Associated Students of the University of Missouri) fees will be assessed on the first 10 hours per semester.

(c)

Per semester.

(d)

Includes residents of Johnson, Leavenworth, Miami and Wyandotte counties in Kansas. See "Metro Rate" in General Undergraduate Admissions Policies and Procedures earlier in this catalog.

(e)

Effective Fall Semester 2007, the School of Medicine's fees have been restructured to include a regional tuition rate for students from certain Midwestern states. Newly admitted students from Kansas, Oklahoma, Nebraska, Arkansas and Illinois will be assessed at 1.5 times the resident rate. Students from other states will be assessed at 2 times the resident rate.

Learning Programs and Resources

Learning Programs and Resources Home Page

Many programs and resources available at UMKC are intended to support and complement our student's academic programs of study. Throughout UMKC, you will find opportunities to engage with faculty and fellow students in meaningful activities on campus, in research labs, in the community and even internationally. At UMKC, student learning and engagement are at the heart of our institution. The programs and resources described here are only a few of the opportunities to experience our vibrant learning community.

- FaCET
- Fellowships and Awards
- Service Learning
- Study Abroad

Study Abroad

Center for International Academic Programs

5325 Rockhill Road
(816) 235-**5759**
http://www.umkc.edu/international

The Center for International Academic Programs (CIAP) serves as a resource for UMKC students who would like to have an international academic experience while earning UMKC credit. CIAP provides information on study abroad options and oversees UMKC's cooperative student exchange programs with colleges and universities in several countries including the Czech Republic, England, France, Germany, Mexico and Spain. For a detailed listing of available study abroad programs, deadlines and related scholarships, visit our Web site.

Interested students should contact CIAP for assistance in planning their international study abroad program. In order to receive academic credit, students must complete the required documents (available at CIAP). As outlined in the Guidelines for University of Missouri-Sponsored Study Abroad Programs, all students must also enroll in the mandatory study abroad insurance and complete an Assumption of Risk and Release form prior to departure. Students accepted into a program are required to attend a mandatory pre-departure orientation.

Students are invited to visit CIAP, located at 5325 Rockhill Road. Call (816) 235-**5759** for an appointment to meet with a staff member for assistance with an international program, scholarships or other inquiries. For additional information regarding study abroad and related scholarships, visit http://www.umkc.edu/international.

FaCET

Miller Nichols Library, Room 122

800 East 51st Street
(816) 235-**5362**
facet@umkc.edu
http://www.umkc.edu/provost/initiatives/FaCET

FaCET's Mission

The Faculty Center for Excellence in Teaching (FaCET) is faculty defined and operated with a focus on promoting academic excellence through effective teaching practices. The Center sponsors a range of formal and informal conversations about student learning and the assessment, development and documentation of teaching. Through the Student Learning Network, the Center is a hub for existing UMKC programs that emphasize student learning. We have a broad sense of our mission and welcome new participants from across UMKC. FaCET remains open to suggestions about how we can best promote excellent teaching at UMKC.

For more information visit FaCET's Web site at http://www.umkc.edu/provost/initiatives/FaCET or contact us at facet@umkc.edu.

FELLOWSHIPS

Center for International Academic Programs

5325 Rockhill Road
(816) 235-**5759**
http://www.umkc.edu/international

The Center for International Academic Programs (CIAP) assists students who want to apply for major fellowships that support continued undergraduate study and graduate school. The CIAP Web site identifies an extensive list of these fellowships for both national and international study including, but not limited to, the Truman, Goldwater, Udall, Fulbright, Rhodes, Marshall, Jack Kent Cooke, NSEP Boren and Rotary. These are highly competitive awards that demand careful planning and a commitment of time and effort. All fellowships require applicants to have a high GPA. In addition, typical eligibility criteria include a record of community service, evidence of undergraduate research or original work, strong faculty references and a commitment to future academic or public service. A number of the fellowships require an on-campus review and a nomination before a candidate can move forward to the national competition. Most of these fellowships provide substantial financial support, as well as opportunities for travel and specialized seminars with fellow grantees. For additional information call (816) 235-**5759** or visit http://www.umkc.edu/international.

SERVICE LEARNING

One of the most significant ways a university engages with its community is by enabling students to expand their learning through service structured to meet the needs of both the community and the student. Because academic service-learning combines service with classroom-based instruction, it provides a forum for the practical application of theoretical knowledge-learning by doing.

As UMKC's academic service-learning support office, **Students in the City** furthers the progress of urban core revitalization by catalyzing ever-increasing experiential education opportunities for UMKC students. Academic service-learning brings the city into the classroom. Through project assignments that address community needs, students learn from community members and develop leadership skills while practicing theoretical knowledge gained in class. Students in the City is at the heart of UMKC's mission to be an essential community partner and resource. By design, an academic service-learning project is mutually beneficial for its participants. Community organizations benefit from student talent and expertise while students learn from, serve and engage with their community. Through its programs and services, **Students in the City**:

- Facilitates connections between community organizations and UMKC faculty, staff and students.
- Provides support for community organizations to host an academic service-learning project.
- Provides support for faculty to implement a service-learning project in a class.
- Hosts forums for community members and UMKC faculty, staff and students to learn about the best practices in the field of academic service-learning.

Contact us for more information on academic service-learning.

Students in the City
UMKC's Academic Service-Learning Program
The Center for the City
4825 Troost Avenue, Room 104
Kansas City, MO 64110
(816) 235-**6100**
Fax: (816) 235-**6566**
centerforthecity@umkc.edu
http://centerforthecity.umkc.edu

Arts and Sciences, College of

COLLEGE OF ARTS AND SCIENCES

Administrative Offices
Dean's Office, Scofield Hall
711 E. 51st Street
(816) 235-**1136**
Fax: (816) 235-**5191**
college@umkc.edu
http://cas.umkc.edu/

Mailing Address
University of Missouri-Kansas City
College of Arts and Sciences
5100 Rockhill Road
Kansas City, MO 64110-2499

Dean:
Karen S. Vorst
Associate Deans:
Dale A. Neuman
Thomas C. Sandreczki
Thomas S. Stroik
Charles J. Wurrey

- Statement of Purpose
- Advising System
- Courses

- Arts and Sciences
- Communication Studies
- Philosophy
- Social Science
- Urban Planning and Design

- Departments and Programs
  - Art and Art History
  - Chemistry
  - Criminal Justice and Criminology (see Sociology)
  - Economics
  - English
  - Foreign Languages
  - Geosciences
  - Gerontology
  - History
  - Liberal Studies
  - Mathematics
  - Physics
  - Political Science
  - Psychology
  - Religious Studies
  - Social Work
  - Sociology/Criminal Justice and Criminology
  - Theatre

Statement of Purpose

The primary academic missions of The College of Arts and Sciences are teaching and research. Through these functions, The College serves the community, the state and society at large. The research and scholarship of The College's faculty not only expand the body of knowledge generally, but also enrich and enhance its teaching and instructional programs.

Graduate-level studies provide students with advanced instruction and/or independent research in the major field of study. Students pursuing master's-level work in a major field or a Ph.D. in Clinical Psychology are directed to the relevant department or program listing in the Arts and Sciences section of this catalog and to the General Graduate Academic Regulations and Information section of this catalog. Those planning other Ph.D.-level studies are directed to UMKC's Interdisciplinary Ph.D. program listing in the School of Graduate Studies section of this catalog.

Advising System

Faculty advisers in each department assist students in planning their academic programs and inform them about the degree requirements of the programs. Graduate students required to secure an adviser's approval before enrolling include majors in chemistry, English, geosciences, sociology and theatre. The Career Services Center provides workshops for students on decision making and career connections.

Arts and Sciences Courses

- 5500 Interdisciplinary Colloquium On Aging (3)
- 5500A Interdisciplinary Colloquium On Aging I (1-2)
- 5500B Interdisciplinary Colloquium On Aging II (1-2)
- 5500C Interdisciplinary Colloquium On Aging III (1-2)
- 5500L Special Readings Topics/Philosophy (1-3)
- 5500P Special Topics-Readings Psychology (1-3)
- 5500Q Special Readings/Topics Theatre (1-3)
- 5501 Special Readings/Topics (1-3)
- 5501E Special Readings/Topics (1-3)
- 5502 Introduction To African American Studies (3)
- 5505 Career Education And Transition In Special Education (3)
- 5509 Methods Of Inq: Research Issues And Methods In The Liberal Arts (3)
- 5510 Method Of Inquiry: An Interdisciplinary Study Of The 1930S (3)
- 5511 Methods Of Inquiry: An Interdisciplinary History Of The 1940S (3)
- 5512 Method Of Inquiry: An Interdisciplinary History Of The 1950S (3)
- 5513 Methods Of Inquiry: An Interdisciplinary Study Of The 1960S (3)
- 5514 Critical Choices: Methods Of Inquiry In Science (3)
- 5520 Critical Choices: Final Research Project And Capstone Seminar (3)
- 5535 Directed Studies In Liberal Arts (1-3)
- 5540 Liberal Arts Thesis (1-3)
- 5550 Seminar In Social Science Perspectives Study Of Community (3)
- 5571A Seminar In The Social Sciences (1-6)
- 5572 Seminar In Philosophy Of Science I (3)
- 5581 Practicum Seminar In Aging (3)
- 5591 Practicum In Community Social Science Research (3)
- 5592 Field Practicum In Aging (3-8)
- 5899 Required Graduate Enrollment (1)

Communication Studies Courses

- 5597 Directed Graduate Studies: Readings (1-6)
- 5598 Directed Graduate Studies: Non-Thesis Research (1-6)

Social Science Courses

- 5610 Philosophy Of Social Science (3)
- 5620 Seminar In Social Theory And Policy Analysis (3)
- 5690 Special Doctoral Reading in Social Science (1-3)
- 5899 Required Graduate Enrollment (1)

Philosophy Courses

- 5521 Managerial And Administrative Decision Making And Ethical Values (3)
- 5540 Seminar On Philosophy And Law (2)
- 5546 Ethics And Government (3)
- 5620 Descartes To Hume (3)
- 5625 Aesthetics (3)
- 5638 Philosophy Of Biology (3)
- 5640 Philosophy Of Law (3)
- 5690 Research In Selected Fields: Graduate Studies (1-3)

URBAN PLANNING AND DESIGN COURSES

- 5596 Directed Study In Urban Planning And Design (1-3)
- 5596A Directed Study In Urban Planning And Design (1-3)
- 5596B Directed Study In Urban Planning And Design (1-3)
- 5596C Directed Study In Urban Planning And Design (1-3)
- 5599 Special Topics In Urban Planning And Design (1-3)
- 5599A Special Topics In Urban Planning And Design (1-3)
- 5599B Special Topics In Urban Planning And Design (1-3)
- 5599C Special Topics In Urban Planning And Design (1-3)

Art and Art History

DEPARTMENT OF ART AND ART HISTORY

204 Fine Arts Building
5015 Holmes Street
(816) 235-**1501**
art@umkc.edu
http://cas.umkc.edu/art

Mailing Address
University of Missouri-Kansas City
Department of Art and Art History
204 Fine Arts Building
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Burton L. Dunbar
Professors Emeriti:
Eric J. Bransby, William Crist, George Ehrlich, Stephen Gosnell, Leonard Koenig, Barbara Mueller
Instructor Emerita:
Nancy DeLaurier
Professors:
Burton L. Dunbar, Craig A. Subler (graduate studio art adviser), Maude Wahlman (Dorothy and Dale Thompson/Missouri Endowed Professor of Global Arts)
Associate Professors:
Frances Connelly, Geraldine E. Fowle (undergraduate art history adviser), Kati Toivanen, Rochelle Ziskin (graduate art history adviser)
Assistant Professors:
Barry Anderson, P. Elijah Gowin, Paul Tosh
Research Associate Professor and Joint Appointment with Nelson-Atkins Museum of Art:
Robert Cohon
Adjunct Assistant Professor:
Marilyn Carbonell
Curator of Slides:
Carla Gilliland

- Department Description
- Special Resources/Programs
- Student Learning Outcomes
- Graduate Programs
- Art and Art History (Art) Courses

DEPARTMENT DESCRIPTION

The Department of Art and Art History serves a variety of students, ranging from the non-major to the professionally oriented. The department offers programs leading to the bachelor of arts degree in art, art history and studio art. The master of arts is offered in art history and studio art. The department also participates in the Interdisciplinary Ph.D. program.

In the undergraduate program, art history serves as humanities electives for non-majors, as part of the program for studio majors and as a major field for students who wish a liberal arts major or who wish to pursue graduate study in this field.

Studio art courses are open to non-majors who meet the appropriate prerequisites. After completing a foundation program, studio students can take work in a number of areas: drawing, painting, printmaking, graphic design, photography and electronic media. The program serves both the general studio major and those students seeking further professional training or employment in art-related fields.

There are four degree programs within the undergraduate major offered by the Department of Art and Art History: studio art, art history, general art and a combined art/art history major. In addition, the department works with the School of Education to offer a dual degree in studio art and secondary education.

Completion of an undergraduate degree with above-average performance in either art history or studio art is normally a prerequisite for further study on the graduate level.

SPECIAL RESOURCES / PROGRAMS

The Nelson-Atkins Museum of Art

The University of Missouri-Kansas City is fortunate to be adjacent to one of the most comprehensive and distinguished art museums in the country, the Nelson-Atkins Museum

of Art. In addition to having ready access to the gallery's collection, advanced students may be privileged to use the museum's other facilities, such as the reference library, the acquisition records or the museum's collections. Use of these facilities is undertaken only after consultation with a member of the faculty. All art and art history students have free admission to the museum.

The department also maintains a close relationship with the museum through joint appointments, student internships and other cooperative programs. Museum curators also lecture in art history at UMKC.

Collection of Slides and Mounted Reproductions

Among the resources of the department are a curator-supervised collection of slides and mounted photographic reproductions of art. These collections may be used by students with faculty permission and supervision. Selected materials may be put out for study in conjunction with a course or may be requested for individual projects, such as a research paper. In all cases, such use is under the supervision of the curator.

GRADUATE PROGRAMS

The Department of Art and Art History offers the master of arts degree in art history and in studio art.

General Nature of the Program

In studio art, the program offers emphasis in drawing, painting, graphic arts, printmaking, photography and electronic media. In art history, coursework in both Western and non-Western art is available.

Applications for Graduate Study

Students are admitted to graduate study within a specific program of study, either studio art or art history.

Applications for graduate study in the Department of Art and Art History should be submitted at least one semester in advance of the application deadline. Applicants in studio art should apply by March 1 for the fall semester and by October 15 for the spring semester. There is no summer semester admission. Portfolios must be included with the applications. After portfolio review and classification by the department, an appointment for advisement will be arranged.

Studio Art Classification of Entering Students

In all cases, evidence of adequate preparatory work in the area of the proposed course is required. Admittance to graduate-credit classes is given only after a review of transcripts and portfolio. A student with an accredited B.A. in art or B.F.A. in art (or with equivalent studio background) may enroll in Art 495 or Art 498A-498N for graduate credit. Instructor's approval for each course is required, and this is contingent upon previous training (normally at least 28 hours of junior-senior studio work) and proven performance.

Requirements for Graduation

All degree candidates are required to take a minimum of 36 graduate credits, including at least three courses in art history and Art 5599, Research and Thesis. Additional courses are determined in consultation with the adviser and the supervising committee for the thesis.

Art History Classification of Entering Students

Admission to the graduate program in art history requires a B.A. or equivalent degree and sufficient undergraduate study in art history to provide a sound foundation for advanced study. Ideally, this foundation would include a solid grounding in the history of Western art, some study of non-Western art, and sufficient advanced-level work to indicate that a student can succeed in the specialized or topical courses and seminars associated with graduate study. Admission review is done by a committee of the faculty.

The applicant should have, in addition to a good general education in the humanities, 18 to 24 credit hours in art history with a grade-point average of 3.0 or better. Students with fewer hours and/or a restricted exposure to other humanities and fine arts courses, or having inconsistent grades, are eligible for admission to the graduate program on the basis of recent evidence indicating the potential for success, such as performance in UMKC 400-level courses, or through papers and exams for courses elsewhere. If there are some deficiencies in preparation that can be met readily by one or two undergraduate survey courses, a student will be admitted to graduate study. However, the survey courses must be taken for undergraduate credit before the student is allowed to take the qualifying examination that is required for advancement to degree candidacy.

Applicants lacking the minimum preparation deemed necessary for admission to graduate-level study in art history may make up their deficiency through enrollment in selected undergraduate courses offered by the department. These will be determined after consultation with a faculty adviser and in all cases must include 400-level work. Progress will be reviewed at the end of each term, and if warranted, reclassification to graduate status will occur prior to the start of the next semester.

Requirements for Graduation

All degree candidates are required to take a minimum of 30 graduate credits, including Art 5501, Scope and Methods of Art History; and Art 5599, Research and Thesis. Other courses are determined in consultation with the adviser and the supervising committee for the thesis. In addition, a foreign language examination is required.

Special Requirements

Requirements for Retention

A student must maintain a graduate grade-point average of 3.0. In extenuating circumstances, a student may petition the Department of Art and Art History to be continued as a graduate student for one term (or 6 hours) if the graduate GPA falls below 3.0. The deficiency must be remedied during the approved probationary period if the student is to be continued.

The Qualifying Examination

There are two different qualifying examinations, one for each degree program. These are scheduled on demand. Students must have completed at least 9 hours of graduate study to be eligible, and the exam should be taken before 15 hours of graduate study applicable to the program are completed. A major purpose of the qualifying exam is to determine the readiness of students to be degree candidates; therefore, the examination is a review, both of the general competency of a student in the chosen field of study and of the plans for the thesis. Based on the results of the qualifying examination, a planned program will be prepared; if appropriate, a foreign language examination in art history will be assigned; and a supervisory committee will be appointed. Specific details concerning each qualifying examination will be publicized at the time that the examinations are scheduled.

The Thesis or Final Project

In the last term of candidacy, a student must complete an approved project that demonstrates capacity for independent work of a suitably high level of proficiency. This project, selected in conjunction with the thesis adviser, may range from production in a selected studio medium to a research project in art history. If it is the latter, its presentation must conform to the requirements of the School of Graduate Studies. If a production thesis is selected, students must present a written statement of purpose and make an oral defense of thesis before their supervisory committee. In addition, a photographic record of the project must be made and presented to the department to be held in its visual resources collection.

Graduate Credit

Instructor's approval for each course is required, and this is contingent upon previous training (normally at least 28 hours of junior-senior studio work) and proven performance.

Art and Art History (Art) Courses

- 5501 Scope And Methods Of Art History (3)
- 5505 Graduate Technical Colloquium (3)
- 5506 Graduate Photography (3-6)
- 5510 Graduate Painting (3-6)
- 5513 Graduate Graphic Design (3-6)
- 5515 Graduate Drawing (3-6)
- 5520 Graduate Printmaking (3-6)
- 5530 Graduate Sculpture (3-6)
- 5540 Graduate Electronic Media (3-6)
- 5550 Graduate Performance Art (3-6)
- 5565 Seminar In American Art (3)
- 5566 Seminar In 19Th-Century Art (3)
- 5567 Seminar In 20Th-Century Art (3)
- 5570 Seminar In Renaissance Art (3)
- 5571 Seminar In Art Of Africa, Oceania And New World Cultures (3)
- 5572 Seminar In Asian Art (3)
- 5573 Visual Arts Administration (3)
- 5575 Seminar In Baroque Art (3)
- 5590 Directed Studies In Art History (2-4)
- 5591 Directed Technical Studies (2-4)
- 5599 Research And Thesis (1-9)
- 5699 Research And Dissertation (1-12)
- 5899 Required Graduate Enrollment (1)

Chemistry

Department of Chemistry

Spencer Chemistry Building, Room 205
5009 Rockhill Road
(816) 235-**2272**
Fax: (816) 235-**5502**
umkc-chemdept@umkc.edu
http://cas.umkc.edu/chem

Mailing Address
University of Missouri-Kansas City
Department of Chemistry
SCB 205
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Kathleen V. Kilway

Professors Emeriti:
Kuang L. Cheng, John W. Connolly, Wesley Dale, Henry A. Droll, Eckhard W. Hellmuth, Peter F. Lott, Layton L. McCoy, Timothy F. Thomas

Curators' Professors:
James R. Durig (chemistry and geosciences), Y.C. Jerry Jean (chemistry and physics), Charles J. Wurrey (Curators' Teaching and associate dean, arts and sciences)

Professors:
Jerry R. Dias, Andrew J. Holder, Zhonghua Peng (principal graduate adviser), Thomas C. Sandreczki (associate dean, arts and sciences), Kenneth S. Schmitz

Associate Professors:
Keith R. Buszek, Peter Groner (director of laboratories), Kathleen V. Kilway (chair, principal undergraduate adviser)

Assistant Professors:
Todor K. Gounev (program director), Ekaterina N. Kadnikova, Nathan A. Oyler, J. David Van Horn, Andrea Drew Gounev (coordinator, organic chemistry laboratories)

- Department Description
- Graduate Study in Chemistry
  - Student Learning Outcomes
  - Master of Science Program
  - Research M.S. Program
  - Non-Thesis M.S.Program
  - Research Facilities
  - Emphasis Areas
- Chemistry (CHEM) Courses

Department Description

The Department of Chemistry offers programs of study leading to the bachelor of arts, bachelor of science and master of science degrees, and participates in UMKC's Interdisciplinary Ph.D. program. To the extent that each program is flexible (see degree requirements), it is possible to specialize at the graduate level in the areas of analytical, inorganic, organic, physical or polymer chemistry.

Graduate Study in Chemistry

The Chemistry Department offers the master of science degree, with an emphasis in analytical, inorganic, organic, physical, or polymer chemistry.

Doctor of philosophy (Ph.D.) programs at UMKC are interdisciplinary. Students desiring to study at the doctoral level in the discipline of chemistry (as the coordinating unit) must apply to the School of Graduate Studies. Detailed information on the general and discipline-specific admission requirements for the doctoral degree may be found in the General Graduate Academic Regulations and Information section of this catalog.

Students pursuing an Interdisciplinary Ph.D. degree, who have selected chemistry as one of their disciplines, should consult the School of Graduate Studies section of this catalog for degree requirements, and other academic regulations applicable to their degree programs.

General Nature of the Graduate Program

Both the master of science degree and interdisciplinary Ph.D. degree with chemistry as the coordinating discipline have the basic aim of training students to work independently in chemistry. Both programs train the student through a broad but flexible base of coursework for further education, but the interdisciplinary Ph.D. places a greater emphasis on original research.

There are two programs or tracks that lead to the master of science in chemistry: the research and the non-thesis tracks. The interdisciplinary Ph.D. with chemistry as the coordinating unit is only research track. (For further information on the Interdisciplinary Ph.D. Program, see the chemistry discipline within the School of Graduate Studies section of this catalog.)

MASTER OF SCIENCE PROGRAM

Requirements for Admission

Applicants should have the equivalent of an American Chemical Society (ACS)-approved bachelor's degree in chemistry. This degree includes the equivalent of: one year of general chemistry, quantitative analysis, one year of organic chemistry, one year of physical chemistry, physical chemistry laboratory, instrumental analysis, inorganic chemistry, one year of physics, and three semesters of calculus, and the ACS-recommended distribution of advanced courses and course credits. (For example, see UMKC's B.S. program in chemistry in the undergraduate catalog.) Applicants should take particular note of the physical chemistry requirement. They may be admitted as provisional students if they have a limited number of undergraduate deficiencies. At the time that admission is offered, applicants will be notified of any requirements to be met for reclassification as fully admitted. Undergraduate courses included in these requirements must be completed with grades of C- or higher.

Applicants from foreign countries, who have an official language other than English, must achieve scores of at least 550 (paper-based), 213 (computer-based), or 80 (internet-based)on the Test of English as a Foreign Language (TOEFL) to be considered for admission.

Placement Examinations

Incoming students must take placement examinations in analytical, inorganic, organic, and physical chemistry. Placement examinations are typically administered the week before the first week of classes of the fall and spring semesters. Students scoring below the 50th percentile in the organic and/or physical chemistry exams are required to enroll in CHEM 5520R and/or CHEM 5530, respectively. Enrollment in other graduate organic or physical chemistry courses is not permitted until CHEM 5520R or CHEM 5530, respectively, is (are) successfully completed. CHEM 5530 is currently offered concurrently with 431 or 432. A student is required to take either 5530/431 or 5530/432 or both, depending on his/her performances in the various sub-disciplines of the physical chemistry placement exam. Should a student be required to take both 5530/431 and 5530/432, the average grade of the two 5530 courses will be considered for the fulfillment of the physical chemistry deficiency. Two grades of C+ (2.3 out of 4.0) or lower, or one grade of less than C- (1.7 out of 4.0) in CHEM 5520R or CHEM 5530, will result in termination from the degree program. These courses may not be counted toward the M.S. coursework requirements listed below. Students must complete all additional coursework required as a result of the placement exams by the end of their first three regular semesters.

Graduate Program Committee

Upon admission to M.S. program in chemistry, students will be advised by the department's principal graduate adviser, acting on behalf of the chemistry graduate program committee. Based on the committee's evaluation of the students' transcripts and placement exam scores, the principal graduate adviser will inform students of any deficiencies and how they should be removed. The principal graduate adviser also will advise students on course curriculum. For the thesis degree, the curriculum advising is performed by the research adviser(once they have been selected). The graduate program committee serves as the supervisory committee for non-thesis M.S. students.

Seminar Attendance

Full-time M.S. students are required to attend all regularly scheduled and special departmental seminars and colloquia. Part-time students are also required to attend these seminars but may petition the Chair of the Department of Chemistry to waive this requirement all but one semester. Such students will be required either to attend and participate fully during one semester, including the presentation of a one-hour seminar (see details below), or to present two one-hour seminars in lieu of full participation.

Minimum Requirements for Master of Science Degree

In addition to the requirements listed here, all M.S. students are subject to the all general M.S. requirements of the University. See the School of Graduate Studies section of this catalog for a complete listing.

RESEARCH M.S. PROGRAM

Time Constraints and Financial Assistance

Full-time thesis M.S. students are required to complete all of the requirements for their degree within four years. In compelling circumstances, and on the written recommendation of a majority of the Supervisory Committee, a single extension for up to one year may be requested for approval by the Chair of the Department of Chemistry. Part-time thesis M.S. students are required to complete all of their requirements for their degree within seven years.

Full-time thesis M.S. students may receive financial support from the Department of Chemistry for a maximum of two-and-one-half years. Students from countries having an official language other than English, and who wish to be supported as GTAs, must take the SPEAK test before the end of their first semester on campus if necessary. Part-time thesis M.S. students are not eligible for financial support from the Department of Chemistry.

Research Adviser and Supervisory Committee

Full-time students must select a research adviser from the graduate faculty of the Department of Chemistry and a supervisory committee by the end of their first regular (i.e., fall or spring) semester on campus. Part-time students must select their research adviser and supervisory committee by the end of their third year after enrollment in their first course as an M.S. student at UMKC.

The research adviser becomes the chairperson of the supervisory committee, which includes at least two additional members of the graduate faculty. Students and their supervisory committee shall plan a program of study which, when met, will qualify students for the M.S. degree. This program of study must be approved by the supervisory committee, the department chair, and the principal graduate adviser prior to the completion of 15 hours of coursework applicable to the degree. The supervisory committee is responsible for conducting the final thesis examination for students in the thesis program.

Coursework

The emphasis of this program is research. A minimum of 31 credit hours (including research and thesis) is required. Full-time, research M.S. students should be able to complete the formal coursework requirement no later than the end of their second year. Thesis M.S. students are required to complete:

1. Three credit hours in one of the following Physical Chemistry courses: CHEM 5531, CHEM 5532, CHEM 5533, CHEM 5534, or CHEM 5535.
2. Three credit hours in Organic Chemistry: CHEM 5521R or CHEM 5522.
3. Six credit hours from graduate level chemistry courses numbered from CHEM 5541 to CHEM 5589.
4. Two additional graduate-level courses for a minimum of 6 credit hours.
5. One credit hour seminar presentation (CHEM 5611).
6. In addition to the formal coursework requirements, a minimum of 6 credit hours of research and thesis (CHEM 5599) are required. Research and thesis (CHEM 5599) work must be done under the direction of the student's research adviser.
7. Up to 6 credit hours of directed studies (CHEM 5590) may be applied toward the degree requirements. Additional coursework may be substituted for part or all of (CHEM 5590) on approval of the student's supervisory committee.

The selected courses must be approved by the student's supervisory committee. Students who receive a grade of C+ (2.3) or lower in more than two courses applicable to the M.S. program or who have a GPA lower than 3.0 on courses (not including CHEM 5590, CHEM 5599 or any undergraduate courses) applicable toward the M.S. degree after completing 18 or more credit hours of such courses, will be terminated from the degree program.

Students, who have received a grade of B- (2.7) or better in graduate coursework taken as part of a degree program at another institution, may transfer up to 6 credit hours of this work on approval of a majority of the student's committee. A written request for this approval must be submitted within one year of full admission to the program.

Seminar Presentation (CHEM 5611)

Students must present a one-hour seminar based on their thesis research project. This seminar will include an exhaustive review of the literature pertinent to their project, a description of the objectives, the proposed methodology, and the significance of this research. Students must register for CHEM 5611 and present this seminar during the semester following selection of their research adviser and committee.

Thesis Defense

The candidate's thesis must be prepared following all of the guidelines required by the UMKC School of Graduate Studies. All supervisory committee members must receive a final draft of the thesis for approval of form and content at least two weeks before submission to the Dean of the School of Graduate Studies. Candidates should submit preliminary drafts of their thesis to their supervisory committee well in advance of this deadline. After the thesis is certified for acceptance by the Dean of the School of Graduate Studies, the student must present an oral defense of his/her research in the form of a thesis seminar. The supervisory committee will make a final determination of the acceptability of the thesis immediately following this presentation. Only minor changes may be made to the thesis at this point.

NON-THESIS M.S. PROGRAM

Time Constraints and Financial Assistance

The non-thesis M.S. degree program is intended primarily for students currently employed in a chemically related industry. Full-time, non-thesis M.S. students are required to complete all of the requirements for their degree within four years. Part-time non-thesis M.S. students are required to complete all requirements for their degree within seven years. Non-thesis M.S. students are not eligible for financial support from the Department of Chemistry.

Coursework

The emphasis of this program is coursework. Non-thesis M.S. students are required to complete a minimum of 31 credit hours of graduate-level coursework. Non-thesis M.S. Students are required to complete:

1. Three credit hours must be from Organic Chemistry courses: CHEM 5521R or CHEM 5522.
2. Three credit hours from Physical Chemistry courses: CHEM 5531, CHEM 5532, CHEM 5533, CHEM 5534, or CHEM 5535.
3. Nine hours from Analytical, Inorganic, Polymer, Bioorganic, and Environmental Chemistry courses: CHEM 5541R, CHEM 5551R, CHEM 5571R, CHEM 5567, or CHEM 5587.
4. One credit hour seminar presentation (CHEM 5611).
5. The remaining 15 credit hours, among which up to 6 credit hours of directed studies (CHEM 5590) may be applied, may be taken from courses approved by the graduate program committee.

Students who receive a grade of C+ (2.3) or less in more than two courses applicable to the M.S. program, or who have a cumulative grade-point average of less than 3.0 on courses applicable toward the M.S. degree after completing 18 or more credit hours of such courses, will be terminated from the degree program. Grades received for CHEM 5590 and any undergraduate-level courses are not included in the minimum GPA calculation.

Students who have received a grade of B- (2.7) or better in graduate chemistry coursework taken as part of a degree program at another institution may have up to 6 credit hours of equivalent required coursework waived upon approval of a majority of the graduate program committee. A written request for this approval must be submitted within one year of full admission to the M.S. program.

Seminars

Students must present a one-hour literature seminar based on a topic of their choice which has been approved by the Department of Chemistry Chair (or a designee). Students must register for CHEM 5611 the semester of this presentation. This seminar will include an exhaustive review of the pertinent literature and discussion of both present and future implications of research in this area. An abstract is to be posted and distributed one week prior to the presentation date.

RESEARCH FACILITIES

Major Instrumentation:

- Varian Inova 400 MHz NMR spectrometer.
- Bruker 250 MHz NMR spectrometer with solid state probe.
- IBM 200 Electron Spin Resonance Spectrometer.
- AA and ICP-AA spectrophotometers.
- CARY-1 UV-Visible dual beam spectrophotometer.
- Cambridge Structural Database Subscription (Van Horn).
- Raman and Infrared Spectroscopy Lab (Durig).
- Positron Annihilation and Gamma-ray Spectroscopy Lab (Jean).
- ABI Pioneer peptide synthesizer.
- Sprint BioCad liquid chromatography system.
- Finnigan MAT Double Focusing mass spectrometer.

Research Instrumentation:

- Ocean Optics UV-Vis-NIR and other UV-Visible spectrophotometers.
- Metrohm Titrando system with "PC Control" software.
- BAS Epsilon electrochemistry apparatus (Peng).
- Shimadzu HPLC (Van Horn).
- Shimadzu RF-5301PC Fluorescence spectrophotometer.
- Perkin Elmer Polarimeter (Buszek).

Support Facilities:

- Computer and Electronics Shop.
- Chemical Stores.

On Campus Resources:

- Jasco J-710 Circular Dichroism Spectropolarimeter (School of Biological Sciences).
- Varian 600 MHz NMR Spectrometer (School of Biological Sciences, Laity).
- ESI-mass spectrometer and Triple-Quad LC-ESI MS with nanospray adaptor (School of Pharmaceutical Sciences).
- Machine Shop (Department of Physics).

Computer facilities include UMKC's Academic Research servers using HP's Itanium technology and numerous personal computers located in the Spencer Chemistry Building and Flarsheim Hall for teaching and research purposes. A computational research laboratory is also housed in the department with a number of high-speed workstations and modern software.

CHEMISTRY (CHEM) COURSES

- 5511 Laboratory Safety And Health I (1)
- 5520R Survey Of Organic Chemistry (3)
- 5521R Mechanisms Of Organic Reactions (3)
- 5522 Synthetic Organic Chemistry (3)
- 5529 Selected Topics In Organic Chemistry (3)
- 5530 Systematic Physical Chemistry (3)
- 5531 Classical Thermodynamics (3)
- 5532 Chemical Kinetics (3)
- 5533 Quantum Chemistry (3)
- 5534 Molecular Spectroscopy (3)
- 5535 Statistical Thermodynamics (3)
- 5539 Selected Topics In Physical Chemistry (3)
- 5541R Advanced Analytical Chemistry (3)
- 5549R Selected Topics In Analytical Chemistry (3)
- 5551R Advanced Inorganic Chemistry I (3)
- 5553R Organometallic Chemistry (3)
- 5559 Selected Topics In Inorganic Chemistry (3)
- 5567 Advanced Bioorganic Chemistry (3)
- 5571R Introduction To Polymer Chemistry (3)
- 5579R Selected Topics In Polymer Chemistry (3)
- 5580R Computer Applications To Chemical Problems (3)
- 5587 Environmental Chemistry I (3)
- 5588 Environmental Chemistry II (3)
- 5590 Directed Studies (1-3)
- 5598 Research Methodology Conference (3)
- 5599 Research And Thesis (1-9)
- 5611 Chemistry Seminar (1)
- 5699 Research And Dissertation (1-16)
- 5899 Required Graduate Enrollment (1)

Criminal Justice and Criminology

DEPARTMENT OF CRIMINAL JUSTICE AND CRIMINOLOGY

5215 Rockhill Road
(816) 235-2751
Fax: (816) 235-5193
mailto:sociology@umkc.edu
http://cas.umkc.edu/soc

Mailing Address
University of Missouri-Kansas City
Department of Criminal Justice and Criminology
5215 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Kenneth Novak
Professors:
Wayne Lucas (principal graduate adviser, criminal justice and criminology)
Associate Professors:
Cathleen Burnett (principal undergraduate adviser), Alexander Holsinger, Kristi Holsinger, Kenneth Novak (chair)
Assistant Professors:
Toya Z. Like, Jessica Hodge
Visiting Assistant Professor:
Kristin Bechtel
Administrative Assistant:
Tricia Falk

- Department Description
- Department Activities
- Criminal Justice and Criminology Program
- Master of Science: Criminal Justice and Criminology
  - Admission Requirements
  - Application Procedures
  - Career Implications of the M.S. in CJC
  - Student Learning Outcomes
  - M.S. Degree Requirements
- Courses
  - Criminal Justice and Criminology (CJC) Courses

DEPARTMENT DESCRIPTION

The Department of Criminal Justice and Criminology offers programs of study leading to the following degrees:

- Bachelor of Arts in Criminal Justice and Criminology
- Master of Science in Criminal Justice and Criminology

A program minor is available in Criminal Justice and Criminology.

The mission of the department is to extend knowledge about the nature of crime and criminal justice. This mission includes continuing participation by faculty in significant criminological research; other scholarly endeavors; and inviting students to join in that activity by:

- Learning the core materials of the discipline.
- Acquiring research skills.
- Assisting in faculty research.
- Becoming involved in student activities that supplement coursework and research.

DEPARTMENT ACTIVITIES

Academic Advising

Student academic advising is a continuous process in the department. The principal graduate adviser is available for consultation throughout the academic year. Graduate students are required to consult with the department to establish a tentative plan of study. A master's degree program of study form, and a form appointing a supervisory committee, should be submitted at about the mid-point in the program. Students should leave their mail and e-mail addresses with the department so they can receive notifications concerning the class time table, new classes and other departmental news and opportunities.

CRIMINAL JUSTICE AND CRIMINOLOGY PROGRAM

The College of Arts and Sciences offers the bachelor of arts and master of science degrees in criminal justice and criminology (CJC), administered through the Department of Sociology/Criminal Justice and Criminology. Within the context of a liberal arts education, the program offers an interdisciplinary approach to study the criminal justice system. The program is designed to develop the intellectual skills required to function effectively as a field practitioner and to provide the knowledge base for careers as planners, administrators and researchers. The course offerings emphasize issues and problems relevant to policy considerations in criminal justice.

MASTER OF SCIENCE: CRIMINAL JUSTICE AND CRIMINOLOGY

Description of Program

The M.S. degree in CJC offers coursework that emphasizes policy analysis of criminal justice and criminology issues. The M.S.-CJC degree may serve as a terminal degree for those seeking appropriate study and academic credentials to qualify for management and administrative positions in justice-related agencies. The degree may also serve as preparation for advanced study in criminology and criminal justice at the doctoral level. Depending upon personal academic or career goals, students may concentrate studies in the treatment and research area, or the area of justice agency development and management.

APPLICATION PROCEDURES

Applicants must submit an application for admission to UMKC and transcripts of their undergraduate work to the university Office of Admissions. Additionally, applicants must submit a writing sample to the department's Admissions Committee. This writing sample should be a two to three page letter requesting admission to the program. In the letter, applicants should identify how their undergraduate education and their work or personal experience has prepared them for graduate study in the area of criminal justice and criminology. Also, the letter should address how applicants view study in our graduate program as fitting with their future career or educational goals. The writing sample is to be sent directly to the principal graduate adviser for the M.S.-CJC program at the department address. Applicants for the spring term must have all materials to the admissions committee by November 1, and those applying for fall semester or summer term admission must have materials in by April 1, or March 1 to be considered for graduate teaching or research assistantships.

The department strongly recommends that application materials be submitted at least five months before the anticipated date of initial enrollment to ensure all materials will be on hand in time for review.

Decisions regarding admission to the graduate program are made by the graduate faculty of the program. Materials are reviewed with attention to past academic performance and substantive areas of study that would prepare students for CJC graduate study.

CAREER IMPLICATIONS OF THE M.S. IN CJC

The master of science degree in criminal justice and criminology is intended to prepare students for careers in field practice, research, administration and program evaluation in public and private justice-related agencies. Students also may find the degree a useful prelude to law school or doctoral study in criminal justice, criminology, sociology, political science or public administration. Career opportunities are not restricted to those traditionally defined as criminal justice (i.e., law enforcement or correctional administration). Options include program planning, policy evaluation and investigative work for state and federal regulatory agencies, management and planning for private security agencies; and research and evaluation for legislative and public and private advisory agencies. Students with the M.S. degree also may find some teaching opportunities open to them, although permanent employment in institutions of higher education usually requires a doctoral degree.

CRIMINAL JUSTICE AND CRIMINOLOGY(CJC) COURSES

- 5500 Sociology Of Law (3)
- 5501 Proseminar To The Criminal Justice System (3)
- 5510 Sociological Methods I (3)
- 5511 Sociological Methods II (3)
- 5516 Intermediate Statistics (3)
- 5518 Advanced Criminological Theory (3)
- 5530 Crime And The Public Health Care System (3)
- 5540 Criminal Justice Organization And Management (3)
- 5551 Seminar In Policing (3)
- 5565 Seminar In Crime Prevention (3)
- 5570 Contemporary Corrections And Correctional Policy (3)
- 5571 Legal Aspects Of Criminal Justice Professionals (3)
- 5575 Correctional Rehabilitation And Treatment (3)
- 5576 Seminar In Criminal Justice And Criminology Issues (3)
- 5580 Seminar: Policy And Decision Making In Criminal Justice (3)
- 5590 Directed Studies In Criminal Justice And Criminology (1-3)
- 5592 Advanced Gis For Crime Analysis (3)
- 5595 Crime Analysis Internship (3)
- 5599 Research And Thesis (1-6)
- 5699 Dissertation Research (1-12)
- 5899 Required Graduate Enrollment (1)

Economics

DEPARTMENT OF ECONOMICS

Haag Hall, Room 211
5120 Rockhill Road
(816) 235-**1314**
Fax: (816) 235-**2834**

economics@umkc.edu
http://cas.umkc.edu/econ

Mailing Address
University of Missouri-Kansas City
Department of Economics
HH 211
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
James I. Sturgeon, (816) 235-**2837**
Undergraduate Adviser:
Stephanie Kelton, (816) 235-**5700**
Graduate Admissions
Frederic S. Lee, (816) 235-**2543**
IPhD Adviser
Peter J. Eaton, (816) 235-**2832**
MA Adviser
Linwood Tauheed, (816) 235-**6477**
Administrative Assistant
Deborah E. Foster, (816) 235-**2405**
Professors Emeriti:
W. Robert Brazelton, L. Kenneth Hubbell, A. Ross Shepherd, F. Eugene Wagner, John O. Ward
Professors:
Michael Hudson (distinguished research professor), Jan Kregel (distinguished research professor), Frederic S. Lee, James I. Sturgeon (chair), Karen S. Vorst (dean, arts and sciences), L. Randall Wray
Associate Professors:
William Black, Peter J. Eaton, Mathew Forstater, Stephanie Kelton
Assistant Professors:
Erik K. Olsen, Linwood Tauheed
Lecturers:
Judith Ancel, John Henry, Michael Kelsay, Ben Young

Affiliated Centers and Programs

Center for Economic Information:
Peter Eaton, director
Douglas Bowles, assistant director
Sara Ballew, programmer/analyst
Saima Sami, programmer/analyst

Center for Full Employment and Price Stability:
Mathew Forstater, director
Kelly Pinkham, program development
L. Randall Wray, senior research associate
Stephanie Kelton, research associate

Institute for Labor Studies:
Judith Ancel, director

- Department Description
- Student Learning Outcomes
- Master of Arts: Economics
- Interdisciplinary Ph.D.
- Economics (ECON) Courses

DEPARTMENT DESCRIPTION

The Department of Economics is committed to promoting excellence in broad-based undergraduate programs; graduate and interdisciplinary doctoral education; research; and community, university and professional service. The department focuses its research, teaching and service efforts on the urban mission of the University by fostering a diversity of research and teaching perspectives for faculty and students.

The department offers an undergraduate major that can be completed either through day or evening classes and is a major participant in PACE (Program for Adult College Education). The department offers an M.A. degree, an M.A. applied degree in economics, and is a coordinating discipline in the doctoral Interdisciplinary Ph.D. program. Most graduate courses are offered after 4 p.m.

Center for Economic Information

Haag Hall, Room 210
5120 Rockhill Road
(816) 235-**1394**
http://www.umkc.edu/cei

The Center for Economic Information was established in November 1994 with the goal of making local, regional and national information accessible to economic decision-makers in the Kansas City metropolitan area. The CEI is affiliated with the Department of Economics and the College of Arts and Sciences.

The center is involved in research, teaching and outreach activities. The primary expertise of the center is in application of information technology for economic analysis.

Center for Full Employment and Price Stability

Haag Hall, Room 211
5120 Rockhill Road
(816) 235-**5835**
http://www.cfeps.org

The Center for Full Employment and Price Stability is a non-partisan, non-profit policy institute at the University of Missouri - Kansas City dedicated to promoting research and public discussion of issues related to macroeconomic and monetary policy, especially employment and budgetary policy.

This national policy center produces original research and sponsors national and international workshops on the use of full employment policies to achieve both economic growth and price stability. The Center funds doctoral assistantships in the department and provides financial support to faculty members participating in C-FEPS research at UMKC and other universities, such as Harvard University, New School University, University of Ottawa and others. The Center continues to add prominent faculty to its research staff. C-FEPS fully participates in the Interdisciplinary Ph.D. program and provides interdisciplinary research links among the faculty and students at the economics department, other social science departments at UMKC as well as among an international community of scholars concerned with the issues of full employment and price stability.

In an effort to incorporate research into policy, the Center sponsors interdisciplinary, non-partisan research, collaborates with universities, organizes symposia, conferences,

and lectures, and participates in community programs.

Institute for Labor Studies

Royall Hall, Room 408D
800 E. 52nd Street
(816) 235-**1470**
http://www.umkc.edu/labor-ed

The Institute for Labor Studies provides labor education for the unions and working people of the Kansas City Metropolitan area. It is a joint project of UMKC and Longview Community College. At UMKC it is part of the Economics Department and offers a credit certificate in labor studies, which includes six courses. It also provides other labor education courses (both credit and non-credit), conferences, research projects and consulting. Special projects include a Labor in the Schools Program and the Heartland Labor Forum, a weekly one-hour radio show on KKFI community radio.

The Hospitality Studies Degree Concentration program is housed administratively within the department. It provides students with the fundamentals of hospitality administration within a liberal arts program, drawing on the social science discipline.

The department houses the Missouri Council for Economic Education (MCEE). MCEE is the statewide provider of economic education training for elementary and secondary education.

The department is the administrative home of the Social Science Consortium. The SSC is a co-discipline for the Interdisciplinary Ph.D. program. The SSC faculty is drawn from the departments of economics, political science and sociology.

The department sponsors the *Journal of Forensic Economics*, which is the journal of the National Association of Forensic Economics. Nancy Eldredge is the production editor for the journal and Jack Ward is the editor.

Our Students

The department provides undergraduate and graduate service courses to the College of Arts and Sciences, the Bloch School, and the School of Computing and Engineering. Undergraduate and graduate majors participate in a variety of visiting lecture programs and faculty colloquialism through the Economics Club; Omicron Delta Epsilon (the economics honorary society); the Center for Full Employment and Price Stability; and the Social Science Consortium. Students publish their own academic journal. Enrollment is international, with current and former students representing more than 25 countries.

Faculty and Facilities

Faculty members of the department maintain active, extensive research programs and a strong commitment to teaching -- holding four outstanding teaching awards. Faculty members have served as presidents for national and regional economic associations and lectured and conducted research in the Fulbright Program, the Ford Foundation, the U.S. Department of Commerce, and the U.S. Department of Labor. Faculty members have established national reputations in a number of research fields. For a small faculty, the department has ranked high among other economics departments at comparable institutions nationally.

Current regular faculty membership consists of six professors, two associate professors, one assistant professor and four lecturers. The faculty are cooperative and highly interactive with students, resulting in several team-taught PACE block classes, other team-taught classes and collaborative research.

The department offers graduate assistantships, augmented with additional funding through the Center for Full Employment and Price Stability and the Social Science Consortium.

The Department of Economics and the Center for Economic Information are housed in Haag Hall. The Center for Full Employment and Price Stability, faculty and other department programs are housed in Manheim Hall. Students have access to state-of-the-art computer labs and classrooms.

Information

You may request information about economics programs by calling the department's main number, (816) 235-**1314**; visiting the Web site, http://www.umkc.edu/economics; or sending an information request via e-mail to economics@umkc.edu.

For specific information on degree programs, contact Mathew Forstater, Undergraduate Adviser, (816) 235-**5862** or forstaterm@umkc.edu; Frederic Lee, Graduate Admissions Adviser, (816) 235-**2543** or leefs@umkc.edu.

Department Goals

As part of its urban mission, the department continues to expand its research, grants and service performance through the Center for Economic Information; the Center for Full Employment and Price Stability; and the Institute for Labor Studies.
The immediate goals of the department are to:

1. Establish a nationally recognized reputation for research of planning based on GIS analysis through the CEI.
2. Establish a nationally recognized academic reputation through the research output of the C-FEPS.
3. Develop a community service component of graduate education using an internship system.
4. Expand UMKC's high-quality Interdisciplinary Ph.D. program, which uses the resources of the CEI, C-FEPS and extensive, applied research experience of the department's faculty.
5. Maintain the highest standards of teaching quality in undergraduate and graduate programs.

INTERDISCIPLINARY PH.D.

The Department of Economics participates in the Interdisciplinary Ph.D. program.

The department also administers and participates in the Social Science Consortium which is a co-discipline in the Interdisciplinary Ph.D. program. For information about these programs see the School of Graduate Studies section in this catalog, contact the Department of Economics, (816) 235-**1314**, or Frederic Lee, graduate adviser, (816) 235-**2543**, or leefs@umkc.edu.

ECONOMICS (ECON) COURSES

- 5501 Advanced Macroeconomic Analysis (3)
- 5502 Advanced Microeconomic Analysis (3)
- 5504R American Economic History Since 1865 (3)
- 5504RR American Labor History (3)
- 5505 Advanced Comparative Economic Systems (3)
- 5506 Advanced History Of Economic Thought (3)
- 5508 Controversial Issues In Recent Economic Literature (3)
- 5512 Advanced Economic Development (3)
- 5513 Economic Cycles And Growth (3)
- 5516L Law And Economics (3)
- 5521 Mathematical Economics (3)
- 5525 Econometric Methods (3)
- 5529 Readings In Quantitative Economics (3)
- 5531 Monetary Theory And Policy (3)

- 5535 Theory Of Public Finance (3)
- 5537 State And Local Government Finance (3)
- 5538 Economic Policy (3)
- 5540 Advanced International Trade (3)
- 5542 Advanced International Finance (3)
- 5548 Advanced Socialist Economic Systems (3)
- 5550 Regional Economics (0-3)
- 5551 Advanced Institutional Theory (3)
- 5558 Advanced Urban Economics (3)
- 5560 Industrial Organization (3)
- 5565 Advanced Health Economics (3)
- 5583 Racial Inequality & Public Policy (3)
- 5587 Human Resource Economics (3)
- 5589 Graduate Seminar In Labor Economics (3)
- 5590 Special Topics (1-3)
- 5590A Special Topics (1-3)
- 5590B Special Topics (1-3)
- 5590C Special Topics (1-3)
- 5591 Research And Planning Seminar (3)
- 5599 Research And Thesis (1-6)
- 5601 Colloquium In Advanced Macroeconomics (3)
- 5602 Colloquium In Advanced Microeconomics (3)
- 5608 Topics In Economic Theory (3)
- 5616 History Of Economics In The 20Th Century (3)
- 5625 Colloquium In Econometrics (3)
- 5645 Financial Macroeconomics (3)
- 5660 Evolution Of American Industrial Society (3)
- 5665 Colloquim In Advanced Health Economics (3)
- 5680 Teaching Methods And Course Design (3)
- 5688 Colloquium On Political Economy (3)
- 5690 Special Doctoral Readings In Economics (1-3)
- 5699 Doctoral Dissertation (1-12)
- 5899 Required Graduate Enrollment (1)

English Language and Literature

Department of English Language and Literature

Cockefair Hall, Room 106
5121 Rockhill Road
(816) 235-**1305** or (816) 235-**1307**
Fax: (816) 235-**1308**
english@umkc.edu
http://cas.umkc.edu/english

Mailing Address
University of Missouri-Kansas City
Department of English Language and Literature
CH 106
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Jeffrey Rydberg-Cox
Professors Emeriti:
Robert M. Farnsworth, Moira Ferguson, Daniel F. Jaffe, James McKinley, David Ray, Lois Spatz, Linda Voigts, David Weinglass, Robert Willson
Associate Professors Emeriti:
Ralph Berets, James A. Reeds, Jonas Spatz
Professors:
Michelle Boisseau, Joan F. Dean, Thomas Stroik, Jan Tillery
Associate Professors:
Virginia Blanton, Stephen Dilks, Jane Greer, Daniel Mahala, Jennifer Phegley, Jeffrey Rydberg-Cox
Assistant Professors:
Hadara Bar-Nadav, John Barton, Laurie Ellinghausen, Jennifer Frangos, Christie Hodgen, Michael Pritchett, Anthony Shiu, Robert Stewart
Full-time Lecturers:
Sheila Honig, Patricia Huyett, Katie Kline

- Department Description
- Master of Arts: English
  - Admission Requirements
  - Student Learning Outcomes
  - Degree Requirements
  - Creative Writing Emphasis Requirements
- Interdisciplinary Ph.D Program
- Assistantships, Internships and Other Opportunities
- English Courses

Department Description

The Department of English Language and Literature offers programs of study that lead to the bachelor of arts and the master of arts degrees. In the undergraduate program, students may pursue a general English program, or they may choose an emphasis in creative writing or secondary English education. Three minors in English are offered for students majoring in other disciplines: one in Language and Literature, one in Creative Writing, and one in Writing. M.A. students may choose from emphases in Literature, Language and Literature, or in Creative Writing. English is an academic discipline eligible for full participation in the University's Interdisciplinary Ph.D. program.

The department includes faculty who have a broad range of professional competence in the study of literature and language, and who are trained to teach courses in British and American literature, linguistics, American culture, film, creative writing, and composition. The department believes the study and teaching of literature and language to be an important means of preserving and vitalizing our humanistic tradition.

Special Resources

Publications

The department and The College of Arts and Sciences publish *New Letters*, a continuation of *The University Review*, which for over 50 years published the works of new and distinguished writers. *New Letters* continues to provide a medium for the best imaginative writing available.

The English Language and Literature Department sponsors the publication of *Number One*, a magazine of student poetry and fiction, and *The Sosland Journal*, a collection of award-winning student essays from the Ilus W. Davis contest.

BkMk Press, operated under the auspices of The College of Arts and Sciences and housed in the department, publishes books of high-quality poetry and prose by professional writers.

Greater Kansas City Writing Project

The English Language and Literature Department, in conjunction with several local school districts, sponsors the Greater Kansas City Writing Project (GKCWP), a graduate in-service program for teachers of writing (K-14). This program consists of summer graduate credit workshops and school district in-service sessions throughout the academic year. The GKCWP is an official National Writing Project affiliate.

Related Information, Opportunities, and Conferences

The English Language and Literature Department sponsors undergraduate and graduate student conferences, a writers' reading series, two summer creative writing workshops (the Mark Twain Workshop and the *New Letters* Writers Conference), and annual contests for the Barbara Storck Poetry and Short Story Award and the Ilus W. Davis Award in Expository Writing. The department offers additional scholarships for creative writers in the names of former students: Mbembe Milton Smith, Gary William Barger and Crystal Field. Graduate students are also eligible for the Farnsworth Fellowship. I-PhD students can apply for the Ilus Davis Doctoral Teaching Fellowship. The department also offers courses and an annual conference for English teachers as part of its continuing education function.

Career Implications of the Graduate English Degree

In addition to teaching and writing careers, English graduates with writing and editorial skills find that they are desirable candidates for positions in businesses where effective communication and written evaluation are required.

Advising System

All graduate English students are assigned an adviser upon their admission to the program.

MASTER OF ARTS: ENGLISH

The Department of English offers three programs of study leading to the master of arts in English. Through courses in English and American literature, creative and expository writing, film, linguistics, composition/rhetoric and literary criticism, these programs of study are designed to prepare students for teaching, research, and writing careers, for editorial careers, and for further study at the doctoral level.

Advisers are assigned to new students at the time of their admission to graduate study. New graduate students should meet with their advisers as soon as possible to prepare an official program of study.

The 34-hour English literature M.A. is designed for students desiring a general background in English and American literature and is strongly recommended for students planning further graduate study in English and/or American literature.

The 34-hour English language and literature M.A. is designed for students who wish to combine graduate study of literature with the study of linguistics and/or composition and rhetoric. This M.A. is recommended for students interested in teaching in the community college or the secondary school and for students interested in pursuing the Ph.D. in composition and rhetoric or linguistics.

The 33-hour M.A. in English with a creative writing emphasis area is designed for students who want training in creative writing. Students elect one of two concentrations: poetry or prose. Since up to two writing courses can be taken in other departments, the creative writing emphasis can be an interdisciplinary experience.

ADMISSION REQUIREMENTS

The application process is competitive. Satisfying the admission requirements does not guarantee admission to the program. The applicant must meet or submit the following:

- Completed application to the University.
- Completed Application for Admission to English Graduate Studies.
- B.A. in English, or a B.A. degree that includes at least 30 hours of sophomore-, junior- or senior-level English courses, or the equivalent. Applicants with fewer than 30 hours of undergraduate English courses, may be admitted and assigned additional coursework as part of their program. These extra hours are added to the hours required for graduation.
- 3.0 cumulative grade-point average and a 3.0 average in English coursework. In unusual circumstances, the graduate commitee may consider applicants with lower grade-point averages.
- A recommended 60 percent or higher score on the verbal aptitude portion of the Graduate Record Exam (GRE), or 60 percent or higher on the GRE Subject test. The GRE is only one element of the overall application. Applicants with lower scores will be considered.
- Writing Sample. The writing sample is expected to demonstrate the applicant's writing abilities. For an M.A. in literature or language and literature, a recent academic paper up to 15 pages long is required. For the creative writing emphasis area, submit creative work in your area of concentration (six-10 poems; 20-30 double-spaced pages of fiction). Creative writing applicants who are applying for Graduate Assistantships must also submit a sample of their scholarly writing.
- Statement of Purpose. In a typed essay of 400 to 500 words, applicants should describe their academic and professional objectives, discussing in detail their interest in their emphasis area, and their research or writing in the area. If applicants are applying for Graduate Teaching or Advanced Preparation Program Tutoring Assistantships, they should also write a brief statement describing their strengths and qualifications for teaching.
- Three letters of recommendation: evaluations of the applicant's readiness for graduate study by three professors or others who know the applicant's abilities and potential well.

Admissions decisions are made by the graduate committee.

The application deadline for admission and for Graduate Teaching or APP Tutoring Assistantships is January 15. Students who miss the deadline may enroll in up to six credit hours of gradaute coursework in English as Community Students (contact the admissions office for more information). Students may not take more than six hours before entering the program as a "fully admitted" student.

CREATIVE WRITING EMPHASIS REQUIREMENTS

- 12-15 hours of English and American literature. Students are urged to take literature courses in the genre in which they plan to write their final portfolio.
- At least 15 hours in 400- and 5500-level writing courses, primarily in the genre in which one plans to submit one's final portfolio. English 5532 (Advanced Creative Writing Prose) and 5535 (Advanced Creative Writing Poetry) may be repeated for credit.
- Up to 6 hours may be in the departments of Communication Studies or Theatre (as long as other courses outside the department have not been credited toward graduation).
- Three hours for completion of the **Creative Writing Portfolio** (English 5599: Research and Thesis) at the end of the student's last semester (or, under special circumstances, summer session). The portfolio will consist of the student's own writing and will be expected to contain new work created for the portfolio, and may contain earlier work done for classes or outside of class. The portfolio will be evaluated by a Portfolio Assessment Committee, consisting of the student's 5599 professor, a member of the creative writing faculty, and a member of the literature faculty. (The 5599 professor can be a creative writing, communication studies, or theatre faculty member.) The student must submit the portfolio to the full committee by the 13th week of classes of the final semester, and it must be approved by the

student's full committee before the last day of classes.

Typically, the portfolio consists of one of the following:

- 40 pages of poetry.
- 75 pages of fiction or creative nonfiction.
- Two one-act plays or one full-length play.
- Two short-feature screenplays or one full-length screenplay.

Note: Students are expected to include in their portfolio some new work, done outside of class and submitted only to the portfolio committee.

The portfolio will meet all applicable bibliographical guidelines customary for the submission of work in the chosen genre. A brief introduction may be included if the student desires to place his or her work in a historical or other context, or desires to explain some aspect of the work. After approval, the student is to have one copy bound for archival purposes, and presented to the department for preservation.

If the committee decides that the portfolio fails to meet the expected standards, the student has the option of resubmitting the portfolio in another semester. A portfolio may not be submitted a third time until the graduate committee reviews the record and determines when the next attempt should be made. In the event of a third failure, the graduate committee, after a further review, may decide to require additional coursework or writing work before the candidate may resubmit the portfolio.

Interdisciplinary Ph.D Program

English is an academic discipline eligible for full participation in UMKC's Interdisciplinary Ph.D. Program. Students interested in this study should review the School of Graduate Studies catalog for general and discipline-specific admission criteria, academic regulations, and degree requirements. Interested students should contact the department's doctoral program adviser.

Assistantships, Internships and Other Opportunities

The department offers a limited number of Graduate Teaching and APP Tutoring Assistantships on a competitive basis. Applications for Graduate Teaching and APP Tutoring Assistantships are considered in January for the following Fall. All Graduate Assistants are expected to enroll in a least six hours per semester.

Graduate Teaching Assistantships may be awarded to students who demonstrate readiness to become teachers in freshman- and sophomore-level English courses. Graduate Teaching Assistants must undergo a pre-semester orientation and attend mentoring meetings twice monthly with the GTA mentor and fellow graduate teachers. GTAs are also required to enroll in English 5519. Normally M.A. students will receive a maximum of two years of GTA funding, Interdisciplinary-Ph.D. students will receive a maximum of three years of GTA funding, and those who do their M.A. and Interdisciplinary-Ph.D. in the department will receive a maximum of four years of GTA funding. These terms are contingent upon a successful yearly review of performance in the classroom and adequate academic performance. M.A. students who have completed 21 hours or more of coursework may not have their assistantships renewed without making a special appeal to the graduate committee justifying the need for continuing support. All GTAs must submit a brief statement of their intent to renew their GTA position to the graduate committee each year before the January 15 admissions deadline.

APP Tutoring Assistantships may be awarded to students who demonstrate a strong ability to work well with a diverse student population and who are reliable in an environment that demands excellent organizational skills. An ability to work independently as well as within small group and classroom settings is essential. Participation in Writing Center tutor training and meetings is required. The APP GT appointment is for one semester but is renewable for up to two years.

Through the resources of the metropolitan media, as well as the on-campus facilities of the national literary journal *New Letters* and literary publisher BkMk Press, students may gain experience in writing and editing. With the approval of the supervising faculty, students may intern with these on-campus media for credit and also may serve on the staff of the student literary journal, *Number One.*

English Courses

- 5500 Introduction To Graduate Study In English (3)
- 5501 Magazine Editing (3)
- 5502 Advanced Creative Writing: Nonfiction (3)
- 5503 Old English (3)
- 5504 Radio And Television Writing (3)
- 5508 Harlem Renaissance (3)
- 5510 Black Women Writers (3)
- 5512 Chaucer (3)
- 5513 Renaissance Literature I (3)
- 5514 Milton (3)
- 5515 Restoration And Early 18Th-Century British Literature (3)
- 5516 The Romantic Period (3)
- 5517 Modern Poetry (3)
- 5518 19Th-Century American Literature (3)
- 5519 Teaching Writing: Theories, Histories, Contexts, Practices (3)
- 5520 Greater Kansas City Writing Project (3)
- 5522 Medieval Literature (3)
- 5523 Renaissance Literature II (3)
- 5526 The Victorian Period (3)
- 5527 Contemporary Poetry (3)
- 5528 20Th Century American Literature (3)
- 5529 Screenwriting II (3)
- 5531 Late 18Th-Century British Literature (3)
- 5532 Advanced Creative Writing: Fiction (3)
- 5533 Histories Of Writing, Reading, And Publishing (3)
- 5534 Postcolonial Literature (3)
- 5535 Advanced Creative Writing: Poetry (3)
- 5536 Poetic Forms (3)
- 5537 Prose Forms (3)
- 5540 American Culture (3)
- 5541 Girls And Print Culture (3)
- 5545 History And Principles Of Rhetoric (3)
- 5547 Introduction To Literary Criticism (3)
- 5550 Graduate Seminar (3)
- 5550A Graduate Seminar Medieval Literature I (3)
- 5550B Graduate Seminar Renaissance Literature I (3)
- 5550C Graduate Seminar Neo-Classical Literature I (3)
- 5550D Graduate Seminar 19Th Century Literature I (3)
- 5550E Graduate Seminar American Literature I (3)
- 5550F Graduate Seminar Modern Literature I (3)
- 5550G Graduate Seminar Literary Criticism (3)
- 5550H Graduate Seminar Studies In Fiction I (3)
- 5550I Graduate Seminar In Dramatic Literature I (3)
- 5550J Graduate Seminar: History Of The English Language (3)
- 5550K Graduate Seminar: Creative Writing Prose (3)
- 5550M Graduate Seminar In Rhetoric And Composition (3)

- 5550N Graduate Seminar: Criticism (3)
- 5550P Graduate Seminar: Sociolinguistics And Dialectology (3)
- 5551 Shakespeare Comedies And Histories (3)
- 5552 Early English Drama (3)
- 5553 Modern Drama 1880-1945 (3)
- 5555 Graduate Seminar (3)
- 5555A Graduate Seminar Medieval Literature II (3)
- 5555B Graduate Seminar Renaissance Literature II (3)
- 5555C Graduate Seminar Neo-Classical Literature I (3)
- 5555D Graduate Seminar In 19Th Century Literature II (3)
- 5555E Graduate Seminar American Literature II (3)
- 5555F Graduate Seminar In Modern Literature II (3)
- 5555G Graduate Seminar Literary Criticism (3)
- 5555H Graduate Seminar Studies In Fiction II (3)
- 5555I Graduate Seminar In Dramatic Literature II (3)
- 5555J Graduate Seminar English Language (3)
- 5555K Graduate Seminar In Creative Writing:Poetry (3)
- 5555M Graduate Seminar: Composition (3)
- 5555N Graduate Seminar: Prose Fiction (3)
- 5556 Studies In The Novel 1740-1900 (3)
- 5560 Special Topics (1-4)
- 5561 Shakespeare-Tragedies And Romances (3)
- 5562 Restoration And 18Th Century Drama (3)
- 5563 Contemporary Drama (3)
- 5565 Studies In Modern Novel (3)
- 5566CA Cluster Course: Images Of The Human Body In Renaissance (3)
- 5566CF Courts And Culture In The Middle Ages (3)
- 5591 Research In Selected Fields (1-3)
- 5599 Research And Thesis (1-9)
- 5600 Introduction To Doctoral Study In English (3)
- 5650 Doctoral Seminar (3)
- 5691 Doctoral Research In Selected Fields (3)
- 5699 Research And Dissertation (1-15)
- 5899 Required Graduate Enrollment (1)

Foreign Languages and Literatures

Department of Foreign Languages and Literatures

Scofield Hall, Room 216
711 E. 51st Street
(816) 235-**1311**
Fax: (816) 235-**1312**
frn-lg@umkc.edu
http://cas.umkc.edu/foreign

Mailing Address
University of Missouri-Kansas City
Department of Foreign Languages and Literatures
SH 216
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Alice R. Reckley Vallejos
Professors Emeriti:
Patricia P. Brodsky, Rafael Espejo-Saavedra, Iman O. Khalil, Rosemarie Marfurt, Timothy A.B. Richards, Raymond T. Riva, Herwig G. Zauchenberger
Professors:
Louis Imperiale
Associate Professors:
Kathy M. Krause, Gayle Levy,
Alice R. Reckley Vallejos (chair)
Assistant Professors:
K. Scott Baker, Rebecca L. Lee, Larson Powell, Alberto Villamandos
Visiting Assistant Professors:
Nacer Khelouz

- Department Description
  - Career Implications
  - Higher Educational Applications
  - Special Resources
- Student Learning Outcomes
- Master of Arts: Romance Languages
- Courses
  - Foreign Language
  - French
  - Spanish

Department Description

The Department of Foreign Languages and Literatures offers programs of study leading to the bachelor of arts degree in French, German and Spanish and graduate-level work leading to a master of arts in Romance languages and literatures (French, Spanish). In addition, undergraduate minors are offered in French, German and Spanish.

Language instruction also is offered in Arabic, Chinese, Greek, Hebrew, Italian and Latin.

Career Implications

Aside from pursuing teaching careers, holders of degrees in foreign languages are in demand by government, the media and international business in growing numbers, as the need for increased sophistication and expertise in international affairs continues to expand. Multinational companies and organizations now view foreign language skills as an

asset in a prospective employee. In the past 10 years this notion has become widespread in such areas as business, industry, commerce, civil service, education, law, communications media and the health services. The changing conditions of international economics, politics and communications indicate that this trend will continue.

Higher Educational Applications

Reading knowledge of a foreign language is a requisite for many graduate degrees. Foreign language proficiency, moreover, is gaining increasing importance on all levels of university instruction as curricula are internationalized. Scholars and professionals in many fields have long recognized the need for, and advantages of, foreign language competency for improved international communication and effective conduct of basic and applied research.

Special Resources

Study Abroad

UMKC has exchange and study agreements with other institutions in many parts of the world. Students have an opportunity to spend a year of study at the University of Seville in Spain or the University of Lyon II in France. Year or semester programs are possible at the University of Klagenfurt in Austria and the University of Veracruz in Xalapa, Mexico. Summer programs are held at the University of Veracruz, Mexico; the University of Granada, Spain; and the University of Lyon II, France.

The department encourages students to travel and study abroad by participating in any of the summer programs sponsored by accredited American universities. It should be noted, however, that the department must approve in advance any courses taken abroad for major or graduate credit. Interested students should contact the appropriate departmental adviser.

Language Resource Center

A modern facility housing audio, video and computer equipment and software is located in 109 Scofield Hall. The purpose of the lab is to supplement and support in-class foreign language learning. Tutoring services for students of French and Spanish are provided free of charge. Conversation hours are also held in the Language Resource Center. First-year language students are encouraged to use the LRC.

Foreign Language

- 5899 Required Graduate Enrollment (1)

French

- 5500CF Courts and Culture in the Middle Ages (3)
- 5512 17th-century French Literature (3)
- 5513 18th-century French Literature (3)
- 5514 Medieval Literature (3)
- 5517 16th-century French Literature (3)
- 5520 Non-Dramatic 17th-century French Literature (3)
- 5524 19th-century French Literature (3)
- 5526 20th-century French Literature (3)
- 5540 Medieval Romance (3)
- 5544 Renaissance Poetry (3)
- 5545 Epistolarity and the Novel (3)
- 5546 17th-century French Drama (3)
- 5547 19th-century French Poetry (3)
- 5548 20th century French Theater (3)
- 5552 Medieval Poetry (3)
- 5554 The Intellectual Origins of the French Revolution (3)
- 5555 Fin-De-Siecle and Belle Epoque (3)
- 5556 20th-century French Poetry (3)
- 5561 20th century French Narrative (3)
- 5563 19th-century French Fiction (3)
- 5570 Studies in Critical Thought (3)
- 5571 Autobiography (3)
- 5572 Francophone Studies (3)
- 5580 Special Topics (1-3)
- 5590 Directed Studies in French Literature (1-3)

Spanish

- 5514 The Generation of 1898 (3)
- 5516 Medieval Spanish Literature (3)
- 5519 Federico Garcia Lorca (3)
- 5520 Cervantes' Don Quixote, Part 1 (3)
- 5521 Cervantes' Don Quixote, Part II (3)
- 5526 Golden Age Drama (3)
- 5527 Pre-Columbian and Spanish Colonial Literature (3)
- 5528 Contemporary Spanish Poetry (3)
- 5529 Novel of the Mexican Revolution (3)
- 5530 Spanich Mysticism (3)
- 5531 The Golden Age Novel (3)
- 5532 Pastoral Literature (3)
- 5533 Cervantes' Exemplary Novels (3)
- 5534 The Picaresque Novel (3)
- 5550 Modern Classics of Latin American Literature (3)
- 5553 Spanish-American Short Story (3)
- 5580 Special Topics (1-3)
- 5590 Directed Studies in Spanish & Latin American Literature (1-3)

Geosciences (Geology, Geography, Environmental Studies)

Department of Geosciences

Atmospheric Sciences-Environmental Studies-Geography-Geology
Robert H. Flarsheim Science and Technology Hall
5110 Rockhill Road, Room 420
(816) 235-**1334**
Fax: (816) 235-**5535**
geosciences@umkc.edu
http://cas.umkc.edu/geo

Mailing Address
University of Missouri-Kansas City
Department of Geosciences
RHFH 420
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Syed E. Hasan
Director of Environmental Studies:
Caroline P. Davies
Professors:
Raymond M. Coveney, Jr. (principal graduate adviser and IPhD coordinator), Steven L. Driever (director, urban studies), Syed E. Hasan (chair and director, CAER), Wei Ji (graduate geography adviser)
Associate Professors:
Jimmy O. Adegoke (principal undergraduate geography adviser), Daniel P. Hopkins (undergraduate environmental studies adviser), James B. Murowchick, Tina M. Niemi (principal undergraduate geology adviser)
Assistant Professors:
Caroline P. Davies (undergraduate environmental studies adviser and director, environmental studies program), Jejung Lee
Professors Emeriti:
Richard J. Gentile, Edwin D. Goebel, Paul L. Hilpman, Eldon J. Parizek

- Department Description
- Special Resources/Services
- Student Learning Outcomes
- Graduate Certificate in Waste Management
- Master of Science: Environmental and Urban Geosciences
- Courses
  - Geography (GEOG)
  - Geology (GEOL)

Department Description

The Department of Geosciences offers programs of study leading to bachelor of science and bachelor of arts degrees in environmental studies, geography and geology. The department offers a unique master of science degree program in environmental and urban geosciences.

Faculty members also participate in the Interdisciplinary Ph.D. program. The department also offers a graduate-level Waste Management Certificate Program. Those who designate geosciences (geology or geography focus) on their application for admission to the doctoral program must meet admission and other requirements available from the department. See the School of Graduate Studies section of this catalog for more information about doctoral programs. The department takes a lead role in the undergraduate interdisciplinary environmental studies program. Courses offered by the department can be used to fulfill the requirements of the Missouri Department of Education for earth science and science-math teaching specialties.

All students in the Department of Geosciences must maintain a minimum grade-point average above 3.0 in each course taken to fulfill departmental degree requirements. This minimum GPA applies to all UMKC courses and to all credit hours transferred from other institutions and accepted by the department.

Special Resources / Services

Special Resources / Services

Geosciences Museum

The Geosciences Museum, founded by Richard L. Sutton, M.D., located in Room 271, R.H. Flarsheim Hall, contains relief models and interactive displays along with a full range of 2,500 spectacular specimens from all over the world. Hours of operation are 8:30 a.m. to 4:30 p.m. weekdays and 10 a.m. to 4 p.m. on Saturdays, whenever school is in session. Admission is free.

Center for Applied Environmental Research (CAER)

The Center for Applied Environmental Research http://cas.umkc.edu/caer is administered by the Geosciences Department (professor Syed E. Hasan, director). The center is a resource for governmental agencies, private firms and the general public in matters of the environment. Its programs address such matters as applied geophysics, environmental geochemistry, underground space, foundation stability, waste management, geologic hazards, environmental justice, natural resource assessment and land-use planning.

Geography (GEOG)

- 5502 Environmental Remote Sensing And Digital Image Analysis (3)
- 5503WI History And Philosophy Of Geoscience (3)
- 5504 Biogeography And Landscape Ecology (3)
- 5506 Global Environmental Change (3)
- 5507 Advanced Geographic Information Science (3)
- 5509 Urban Geography (3)
- 5510 Landscape, Language, Literature, And Law (3)
- 5515 History And Philosophy Of Cartography (3)
- 5526 Paleoecology: Microfossils And Climate Change (3)
- 5530 Location Theory (3)
- 5542 Quaternary Environments (3)
- 5544 Geo-Computation Methods For Earth And Environmental Sciences (3)
- 5548 Satellite Climatology (3)
- 5595 Graduate Seminar In Geosciences I (1)
- 5597 Graduate Seminar In Geosciences II (3)
- 5598 Special Topics In Geography (1-3)
- 5598A Special Topics In Cultural Geography (1-3)

- 5598B Special Topics In Physical Geography (1-3)
- 5598D Special Topics In Advanced Gis And Remote Sensing (1-3)
- 5598F Special Topics: Geostatistics And Modeling (1-3)
- 5598K Issues In Waste Management (1)
- 5599 Research And Thesis Geography (1-9)
- 5690 Special Research Topics (1-3)
- 5699R Research And Dissertation (1-10)

GEOLOGY (GEOL)

- 5512 Geology And Hazardous Waste Management (3)
- 5525 Quaternary Geology (3)
- 5531 X-Ray Diffraction And Fluorescence Methods: X-Ray Mthds Geol/Anly (2)
- 5532 Icpms Applications In Geology (2)
- 5534 Hazardous Waste Operation Management (2)
- 5535 Aqueous Geochemistry (3)
- 5541 Seismic And Potential Field Methods In Environmental Geophysics (3)
- 5542 Electrical Methods In Environmental Geophysics (3)
- 5551 Geotechnics (4)
- 5555 Environmental Impact Analysis (3)
- 5559 Inquiry-Based Field Studies For Teachers (3-6)
- 5561 Geologic Mapping (3)
- 5570 Hydrogeology (3)
- 5571 Tectonics (3)
- 5572 Earthquake Geology (3)
- 5595 Graduate Seminar In Geosciences I (1)
- 5597 Graduate Seminar In Geosciences II (1-3)
- 5598 Special Topics In Urban Environmental Geology (1-3)
- 5598A Special Topics In Urban Environmental Geology: Petroleum Geology (1-3)
- 5598B Spec Topics In Urban Environmental Geology: Soil/Rock Mechanics (1-3)
- 5598C Sp Topics In Urban Environmental Geol: Stratigraphy/Paleontology (1-3)
- 5598D Spec Topics In Urban Environmental Geology-Environmental Geology (1-3)
- 5598E Special Topics In Energy And Mineral Resources (1-3)
- 5598H Special Topics In Urban Environmental Geology - Geochemistry (1-3)
- 5598I Special Topics In Urban Environmental Geology (1-3)
- 5598J Special Topics In Urban Environmental Geology: Environmental Sci (1-3)
- 5598K Issues In Waste Management (1)
- 5598M Special Topics In Geostatistics And Modeling (1-3)
- 5599 Research And Thesis: Geology (1-9)
- 5690 Special Research Topics (1-3)
- 5699R Research And Dissertation (1-10)
- 5899 Required Graduate Enrollment (1)

Gerontology

GERONTOLOGY CERTIFICATE PROGRAM

(816) 235-**2182**
http://cas.umkc.edu/cas/graduate.htm

Program Director:
Linda Breytspraak
Program Adviser:
Lois Fitzpatrick

- Program Description

History

DEPARTMENT OF HISTORY

Cockefair Hall, Room 203
5121 Rockhill Road
(816) 235-**1631**
Fax: (816) 235-**5723**
history@umkc.edu
http://cas.umkc.edu/history

Mailing Address
University of Missouri-Kansas City
Department of History
CH 203
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Gary Ebersole
Professors Emeriti:
Jesse V. Clardy, John T. Graham, Herman M. Hattaway, Lawrence H. Larsen, Stanley B. Parsons, Joseph P. Schultz
Professors:
Gary L. Ebersole (chair), Miriam Forman-Brunell, Carla L. Klausner (principal Interdisciplinary Ph.D. adviser), Dennis Merrill, Linda Mitchell, Patrick A. Peebles, Louis W. Potts
Associate Professors:
William B. Ashworth, Jr., Andrew Bergerson (principal graduate adviser), James S. Falls (principal undergraduate adviser), Lynda Payne, Linna Place (internship

director), Shona Kelly Wray
Assistant Professors:
Diane M. Burke, Jessey Choo, Viviana L. Grieco, John Herron, Mary Ann Wynkoop (director, American studies)
Visiting Assistant Professor:
David Freeman
Adjunct Faculty:
Charles Coulter, Evelyn Hunt, Cynthia Jones, Gary Palmer, Fredrick Spletstoser, Fran Sternberg, William Worley

- Department Description
- Master of Arts
  - Admission Requirements
  - Student Learning Outcomes
  - Curricular Requirements
  - Academic Standards
  - Completing the Program
- Interdisciplinary Ph.D.
- History Courses

Department Description

The faculty of the Department of History believe history is an essential component of a liberal arts education. As an important part of the curriculum, historical study enables the student to understand the interaction of many aspects of state, society and culture, and the dynamics of human change. It offers a valuable perspective on contemporary problems as well as knowledge of the past for its own inherent interest.

Department offerings at the undergraduate and graduate levels include the major areas of historical concern such as:

- American History
- Ancient, Medieval and Modern European History
- Ancient, Medieval and Modern World History

In recognition of the role of a university in its community -- local, national and world -- the department offers courses in

- Urban and Social History
- The History of Science
- Asian and Middle Eastern History
- Judaic Studies
- Religious Studies
- Women's Studies
- Black Studies
- German Studies

The department is also vitally involved in interdisciplinary courses and programs.

An illustrated guide to the following information is available at: http://cas.umkc.edu/history/degree/masters/Mastersinhistory.htm

Master of Arts

The Department of History offers two options leading to the master of arts degree. Both require 36 credit hours.

- M.A. in History with Thesis. This degree is for students who want to keep open the option of continuing their education beyond this degree.
- M.A. in history without Thesis. This degree is for students wishing to conclude their history education with this degree.

Admission Requirements

The Department of History will consider for admission as a regular graduate student any student:

- Whose undergraduate major was History.
- Who had a 3.0 grade-point average in History courses and a 3.0 grade-point average overall.

Applicants who do not hold an undergraduate degree in History, but whose baccalaureate program included substantial training in History and/or related subjects, may also be considered for regular admission.

In order to be admitted into the program, applicants must provide evidence that they have scored

- A minimum of 500 on the verbal portion and/or
- A minimum of 3.5 on the analytical writing portion of the GRE test

and submit:

1. A completed admissions application.
2. GRE test results.
3. An autobiographical essay.
4. An essay detailing your scholarly interests (including if possible: the faculty with whom you wish to study).
5. A sample of your scholarly writing.
6. Three letters of recommendation.

Most materials can be completed and submitted online.

1. Complete the admissions application online at www.umkc.edu/admissions/.
2. Send copies of your GRE results to

   Mailing Address
   University of Missouri-Kansas City
   Admissions
   5100 Rockhill Road
   Kansas City, MO 64110-2499

   You may also wish to send a copy to

   Mailing Address
   University of Missouri-Kansas City
   Department of History
   Attn. Andrew Bergerson
   5100 Rockhill Road

Kansas City, MO 64110-2499

3. Complete the supplementary application process (Items #3-6 above) online at www.umkc.edu/grasp/
4. Download copies of the forms for letters of recommendation at the departmental Web site: cas.umkc.edu/history/degree/masters/Mastersinhistory.htm.

Financial Aid

There are a limited number of Graduate Teaching Assistantships available. For information and forms, contact the History office directly. The School of Graduate Studies also administers graduate fellowships and scholarships. For all other inquiries about financial aid, contact:

Financial Aid and Scholarships Office
Administrative Center, Room 101
5115 Oak Street
(816) 235-**1154** (Kansas City Metro)
1-800-775-8652 (Outside of Metro)
Fax: (816) 235-**5511**
finaid@umkc.edu
http://www.umkc.edu/finaid

Student Orientation (The Graduate Student Barbeque)

The Department of History hosts an annual graduate student barbeque on the third Sunday in September, at which:

- Students are introduced to the program curriculum and administration.
- Graduate students are encouraged to build working relationships with faculty and peers.
- Faculty mentors/advisers are identified for each student.

ACADEMIC STANDARDS

Minimum Expectations

Students must demonstrate satisfactory progress towards the completion of their degree. In all courses students must

1. Receive a grade of 2.67 or higher in all courses taken in the History Department.
2. Maintain a minimum cumulative 3.0 graduate GPA.
3. Adhere rigorously and conscientiously to academic standards of honesty (see below).
4. Demonstrate serious commitment to scholarship and intellectual engagement.
5. Abide by all requirements of the School of Graduate Studies (see School of Graduate Studies section of the Graduate and Professional Catalog), in addition to those of the Department of History.

In terms of administrative procedures, they must punctually file the following forms, each of which must be approved by the M.A. adviser, the faculty adviser and the other members of the supervisory committee:

1. A tentative program of study, and the form listing the initial members of their Supervisory Committee, by the 15th of October or 15th of March before the completion of their 15th credit hour.
2. A final program of study, and the form listing the final members of their supervisory committee, by the 15th of October or 15th of March before the completion of their 30th credit hour.

Extenuating Circumstances

Students incapable of meeting administrative deadlines may request an extension from the M.A. adviser. These requests must be made in writing in advance of the deadlines. Incompletes will be given only when there are legitimate reasons for not completing course requirements on time, and only when there are reasonable expectations that work can be completed within the time allowed by the School of Graduate Studies (maximum of one year).

Probation

Failing any of these conditions means that the student is not making satisfactory progress towards the completion of her/his degree. In that case, the student will be placed on probation and will have to petition the department, through a letter to the M.A. adviser and graduate committee, for permission to resume his or her studies the following semester. The department will then recommend a reasonable plan for remediation. If the student fails to meet the standards set by the department, the student will be declared ineligible for enrollment and dropped from the program.

Academic Dishonesty

Plagiarism is an inexcusable act in the view of the History faculty. Any student guilty thereof will be liable to expulsion from the program. A detailed statement by the faculty is available in the History office and online (cas.umkc.edu/history/StudentConduct.htm).

Research dishonesty refers to any conduct that is intended to mislead or communicate false research data or results, or which communicates such data or results in reckless disregard of their false or misleading character. Illustrations of research dishonesty include, but are not limited to, the following:

- False or misleading statements or publications concerning research data or results.
- Intentional or reckless distortion or misinterpretation of research data or results.
- Use of research methods which the researcher knows to be unreliable or which produce erroneous results, unless appropriately explained in publications and reports of the research.
- Release of research data or scholarly efforts of other persons, and representing them as one's own or failing to give appropriate credit to their sources.
- Misuse of the work of others or misrepresentation of authorship as that of the student.

COMPLETING THE PROGRAM

The Supervisory Committee

The supervisory committee consists of three full-time, regular members of the UMKC History department who are also members of the graduate faculty, with the student's faculty adviser serving as chair of this committee.

- For Non-Thesis students, the supervisory committee will ordinarily serve as the final examining committee. In consultation with the supervisory committee, the student should select fields for examination.
- For Thesis students, the supervisory committee will serve as the readers for the thesis.

With the approval of the faculty adviser:

- One member of the committee may be a full-time, regular member of another UMKC department so long as that person is also a member of the graduate faculty.
- A fourth member may be added to the committee from the adjunct graduate faculty or from the graduate faculty of another institution.

Final Masters Examination for Non-Thesis Students

Candidates for the M.A. degree without thesis will be examined in any three fields. (See List of Fields offered by regular graduate faculty.) In each, the student must

demonstrate mastery of the historical knowledge:

1. Including chronology, bibliography, major themes and interpretations.
2. Implying that the student's knowledge significantly exceeds his or her class work.
3. Reflecting an in-depth knowledge of that field of historical scholarship.

In all of the fields, students must also demonstrate mastery of the skills of historical scholarship. This means:

- In writing and orally, to summarize a body of literature and take a critical position in that historigraphic debate.
- To use particular historical facts to draw interpretive conclusions.
- To use historical interpretations to engage in critical debates about how history should be written.

In terms of procedure, students will typically:

1. Propose a list of no fewer than 15 landmark monographs and essays to each committee member that reflect the trends and debates in the field for which they are responsible.
2. Meet with the individual member of the faculty to discuss these texts (possibly as part of Non-Thesis Reading/Research 5597).

When the student has demonstrated his/her preparedness to each individual member of the committee, the faculty committee will

1. Meet to develop an integrated set of questions for that particular student's exam.
2. Meet with the student in advance of the examination to explain what is expected.

Written exams will be held on the Monday, Tuesday and Wednesday of the 4th week before "finals week". The student will typically be given:

1. One exam per field.
2. One exam per day.
3. Three hours for each exam.
4. A choice of questions for each exam.

At least one week later, but before classes are finished, the student will be examined orally for no more than two hours in which the exam is discussed by faculty and students and follow-up questions are posed. Students are encouraged to reflect on their own written examinations. Each examiner will evaluate the examination according to the following scale: Superior, Good, Fair, and Inferior (Fail). A grade of Fair or better in all three fields is required for the award of the master's degree.

Suggested Fields of History

- American Studies
- Ancient History
- Arab-Israeli Conflict
- Colonial Latin American History
- Communities and Identities
- Contemporary European History
- Contemporary United States History
- Cultural History
- Early Modern European History
- Early Modern World History
- Early United States History
- Environmental History
- European Social History
- Intellectual History
- Islamic History
- Gender History
- Globalization
- History of Everyday Life
- History of International Relations
- History of Material Culture
- History of Medicine
- History of Religions
- History of Science
- History of Sexuality
- History of Technology
- History of the Body
- History of Women
- Japanese History
- Medieval England History
- Medieval European History
- Medieval Irish History
- Medieval Italy History
- Medieval Jewish History
- Medieval World History
- Middle East History
- Modern British History
- Modern European History
- Modern German History
- Modern Latin American History
- Modern United States History
- Modern World History
- 19th Century United States History
- Nordic History
- Ottoman History
- Pre-Colonial Latin America History
- Regional History
- Renaissance History
- South Asian History
- Southern United States History
- 20th Century United States History
- Western United States History
- United States Constitutional History
- United States Diplomatic History
- United States Social History

Master's Thesis (for the Thesis Option)

Candidates for the M.A. degree with thesis will be required to write an original piece of historical scholarship based on their own research in primary sources and to make a contribution to the existing literature on the subject. By the 15th of October or 15th of March (before the completion of their 30th credit hour) the students must submit a research proposal for the thesis, approved by the faculty adviser, to the M.A. adviser for filing. Students should:

1. Meet regularly with the faculty adviser during research and writing.
2. Solicit the advice of the other members of the committee before submitting a final draft to the entire committee.

The completed thesis will:

1. Summarize the literature/s relating to this area of research and take a critical position in it/them, engaging questions about chronology, bibliography, major themes and interpretations.

2. Explain and justify its theory and methodology.
3. Tell a story about the past eloquently on the basis of primary sources.
4. Comply with academic standards of honest and disciplinary standards of evidence.
5. Comply with all formal and administrative, University-wide guidelines for thesis submission. (Students are highly encouraged to attend a workshop offered by the School of Graduate Studies on proper thesis format held typically during the third week of each semester. See Appendix for links to formatting guide.)

The final draft of the thesis is due no later than two semesters after the completion of coursework. Written requests for extensions to this deadline, approved by the faculty adviser, should be submitted to the M.A. adviser in advance of this deadline. Students must abide by the Completion Timeline for Theses and Dissertations prescribed by the School of Graduate Studies (see Appendix for links.)

Defense of Master's Thesis

Candidates for an M.A. degree with thesis will be required to defend their thesis in an oral examination, advertised and open to the public, in which the student will

1. Make a 20 minute conference-style presentation of his/her research.
2. Respond to questions from the audience and the committee about events, interpretation, theory, method and historiography.

Each examiner will evaluate the thesis according to the following scale: Superior, Good, Acceptable, Acceptable with Revisions, and Unacceptable (Fail). A grade of Acceptable or better by all members of the committee is required for the award of the master's degree.

Honary Organizations

The department sponsors a chapter of the national history honorary, Phi Alpha Theta. Admission into the honorary requires a 3.2 grade-point average in a minimum of 12 credits of graduate work. The honorary sponsors programs and lectures during the school year, and members are often invited to read papers at the regional conventions. Membership in Phi Alpha Theta is noted on each honoree's official transcript.

INTERDISCIPLINARY PH.D.

History is an academic discipline eligible for full participation in UMKC's Interdisciplinary Ph.D. Program. Students interested in this study should review the School of Graduate Studies catalog for general and discipline-specific admission criteria, academic regulations, and degree requirements. Interested students should contact the department's doctoral program adviser, Carla Klausner .

HISTORY COURSES

- 5500CL Cluster Course:Nordic Culture (3)
- 5500CM Cluster Course: Mexico, Central America And The Human Condition (3)
- 5500CP Special Topics In History For Graduate Studies (1-3)
- 5500CY Cluster Course: The Ancient World And The Cinema (3)
- 5500CZ Special Studies History (1-3)
- 5500P Special Topics In History For Graduate Studies (1-3)
- 5500R Special Topics In History For Graduate Studies (1-3)
- 5500RC Special Topics In History For Graduate Studies (1-3)
- 5500RD Special Topics In History For Graduate Studies (1-3)
- 5500Z Special Studies: Labor In Industrial America (3)
- 5501A Religion In America (3)
- 5502 America,1000-1763: The Formative Era (3)
- 5503 America, 1763-1783: The Revolutionary Heritage (3)
- 5504 America, 1783-1828: The National Experience (3)
- 5505 America, 1828-1852: The Jacksonian Period (3)
- 5506 America, 1850-1877: Civil War And Reconstruction (3)
- 5507 America 1877-1917: Development Of Industrial America (3)
- 5508A America 1914-1945: The Era Of The World Wars (3)
- 5508B America 1945-Present: Our Times (3)
- 5511 Medieval Civilization I (3)
- 5512 Medieval Civilization II (3)
- 5512A Women And Family In Medieval And Early (3)
- 5512B The Black Death And Late Medieval Society (3)
- 5513 Renaissance (3)
- 5514 Reformation (3)
- 5515B 17Th And 18Th Century European History (3)
- 5516 The French Revolution And Napoleon (3)
- 5517 19Th Century European History (3)
- 5518 20Th Century European History (3)
- 5519 Contemporary European History: 1950-2000 (3)
- 5523 Social History Of Recent America (3)
- 5525R European Criminal Justice History, 500-1900 (3)
- 5526R The Scientific Revolution 1500-1700 (3)
- 5527 The Darwinian Revolution, 1650-1900 (3)
- 5528A History Of The Body (3)
- 5528B Women & Medicine:Patients & Practitioners From Antiquity-Present (3)
- 5530 The Ordeal Of Total War Europe,1900- 1950 (3)
- 5531 Medieval England, 1066 To 1485 (3)
- 5532 Tudor-England, 1485-1688 (3)
- 5533 Modern Britain, 1603-Present (3)
- 5535R Early Modern German History: 1640-1890 (3)
- 5536 Modern German History: 1890-1990 (3)
- 5537 Nazi Germany (3)
- 5544 Islam & The Arabs: The Formative Period (3)
- 5545 The Ottoman Empire In The Middle East To Wwi (3)
- 5546 The Middle East From World War I To The Present (3)
- 5553 Immigrants And Immigration In American History (3)
- 5554 Women In Modern America (3)
- 5555A Indians Of South America And The European Invasion (3)
- 5555BA Indians Of North America To 1789 (3)
- 5555BB Indians Of North America Since 1789 (3)
- 5556 Rise Of The City In The U.S. (3)
- 5556R Kansas City: History Of A Regional Metropolis (3)
- 5557 The American West (3)
- 5558R History Of The American South (3)
- 5559R The Confederacy And The Myth Of The Lost Cause (3)
- 5561R American Foreign Relations (3)
- 5562J Japanese Civilization (3)
- 5563R Military History Of The U.S. (3)
- 5566R American Economic History Since 1865 (3)
- 5566RR American Labor History (3)

- 5567RS Myth And Ritual (3)
- 5570 Introduction To Material Culture (3)
- 5570R Ancient Egypt (3)
- 5571R Ancient Greece (3)
- 5572R Ancient Rome (3)
- 5573R History Of Astronomy (3)
- 5575 Ancient Israel (3)
- 5575R The History Of Ancient Israel (3)
- 5576R Medieval Jewish History (3)
- 5577R Modern Jewish History (3)
- 5578R The Holocaust And The State Of Israel (3)
- 5581 Research Methodologies (3)
- 5582 Colloquium In American History I (3)
- 5583 Colloquium In American History II (3)
- 5584 Philosophy Of History (3)
- 5585 Colloquium In European History II (3)
- 5586 Colloquium In World History (3)
- 5587R Research Seminar (3)
- 5587RA Research Seminar (3)
- 5587RB Research Seminar (3)
- 5591 Archival Methods (3)
- 5592 Archival Internship (1-3)
- 5593 Museum Science (3)
- 5597 Non-Thesis Research/Reading (1-6)
- 5599R Thesis (1-6)
- 5680 Doctoral Colloquium (3)
- 5687 Doctoral Research Seminar (3)
- 5687RA Doctoral Research Seminar (3)
- 5687RB Doctoral Research Seminar (3)
- 5697 Doctoral-Level Independent Reading (1-6)
- 5699R Dissertation (1-15)
- 5899 Required Graduate Enrollment (1)

Liberal Studies

Master of Arts in Liberal Studies

(816) 235-**6257**
mals@umkc.edu

Program Director:
Burton Dunbar

- Program Description
- Admission to the Program
- Requirements for Completion of the Degree
- Relationship of the MALS to Interdisciplinary Doctoral Degrees
- Coursework

Program Description

The master of arts in liberal studies (MALS) degree program enables mature individuals to pursue part-time, interdisciplinary studies at the graduate level without specializing in any one subject area. Offered at night and during the weekend, courses provide participants the opportunity to extend the best experiences of baccalaureate liberal education to the graduate level. Students admitted to the program will identify their own interests within the wide array of graduate courses in The College of Arts and Sciences and will plan individualized programs of study with the cooperation of the director of the program.

The end result of each participant's matriculation should be a challenging experience that samples the richness of literature, the fine arts, history and those principles of the social and natural sciences that affect our lives. UMKC is fortunate to have the additional cultural resources of a wide array of museums, libraries, archives, and special exhibits within the Kansas City area. Many of the courses available for the M.A. in liberal studies curriculum are designed to take specific advantage of these community resources.

The 21st Century: Complex Communities, Cultures and Critical Choices

The broader unifying experience of courses, offered M.A. in liberal studies participants, is the opportunity to explore some of the basic issues affecting life in modern urban America. Students explore problems such as the environment, international conflict and social problems of the modern city, topics which are not single topics of study, but intricate, complex issues. The interdisciplinary nature of the M.A. in liberal studies coursework provides the mechanism to look at these problems, and others, with a deeper understanding of exactly how contemporary problems are interrelated with one another and with past history.

Each semester, the critical choices theme is reflected through the offering of at least one of the following courses:

- A&S 5510 Methods of Inquiry: An Interdisciplinary History of the 1930s
- A&S 5511 Methods of Inquiry: An Interdisciplinary History of the 1940s
- A&S 5512 Methods of Inquiry: An Interdisciplinary History of the 1950s
- A&S 5513 Methods of Inquiry: An Interdisciplinary History of the 1960s
- A&S 5514 Critical Choices: Methods of Inquiry in Science

Each of these courses is designed to explore, in an interdisciplinary manner, interrelationships among contemporary issues and past history and influences upon contemporary decision making.

Admission to the Program

Individuals admitted to the program must have a baccalaureate or equivalent degree, and mature academic interests. A minimum undergraduate 3.0 GPA is desirable but can be offset by professional and career accomplishments outside academe. Individuals applying for admission to the program also are required to have an in-depth interview with the program director. Approval is required before any student is officially accepted into the program. The director also functions as principal graduate adviser in this program and approves each participant's individual plan of study.

Relationship of the MALS to Interdisciplinary Doctoral Degrees

The College of Arts and Sciences has a strong tradition of interdisciplinary studies at both the baccalaureate and doctoral levels.

For the bachelor of arts and bachelor of liberal arts degrees, The College's integrated studies in the humanities curriculum (more commonly known as "cluster courses") and the Program for Adult College Education (PACE) are two programs that consist almost entirely of interdisciplinary coursework. At the advanced level of doctoral work, most of the departments in the College participate in the campus Interdisciplinary Ph.D. program, which requires studies in at least two fields.

The M.A. in liberal studies degree continues the tradition of interdisciplinary work in the college at the intermediate level between baccalaureate and doctoral work. In a few cases, students completing this degree may find the transition to doctoral work as the appropriate next step. However, students should recognize that the degree is not designed to provide students in the program with specific subject skills usually associated with targeted career objectives in traditional research areas.

Students interested in coordinating their M.A. in liberal studies coursework with future doctoral work at UMKC are strongly encouraged to make this intent known at the outset of their work. Without initial planning conducted with a committee of doctoral faculty, a student's master's coursework may not be appropriate to later doctoral studies.

COURSEWORK

Program participants begin by enrolling in A&S 5509: Critical Choices: Methods of Inquiry into the Liberal Arts. On completion of this required three hour introductory seminar, which is described below, participants earn 30 credit hours based on an individual study plan. In advance of each semester, a list will be published of departmental courses open to M.A. in liberal studies participants and offered at night and during the weekends. Program participants are also free to enroll in any other course offered in The College of Arts and Sciences, as long as they meet the entry requirements of the instructor and the department. At the conclusion of the program, individuals enroll in a required three hour capstone seminar, A&S 5520: Critical Choices: Final Research Project and Capstone Seminar, described later.

A&S 5509 Critical Choices: Methods of Inquiry into the Liberal Arts (3 hours)

Offered each fall and spring semester, this required seminar meets four weekends throughout the semester. Team-taught by faculty from the humanities and the social and natural sciences, the class also includes guest presentations by other faculty in various fields and research librarians. The goals of the seminar are:

1. Refresh the research skills of adults who may be returning to formal classes for the first time in many years.
2. Provide an introduction to a vast array of research resources.
3. Refine writing skills.
4. Help each student define his or her area of emphasis within the program.

Sessions introduce participants to the use of the Miller Nichols Library on the main UMKC campus, as well as other area libraries, such as the Linda Hall Library of Science and Technology, the Truman Library and the Nelson-Atkins Museum of Art. The seminar also studies the different methods and research issues addressed by the humanities, sciences, and social sciences. The seminar also provides opportunity for each student to define an individual research question as a unifying theme in the selection of classes throughout his or her matriculation and as a final project to be investigated in the capstone seminar of the program, A&S 5520.

Individual Study Plans (30 hours)

A benefit of the MALS program is that it does not conform to any single fixed curriculum. Individuals develop their own plans of study in consultation with the director of the program or a graduate adviser designated by the program director. No more than three courses (9 hours) may be taken within any one department without permission of the department and the director of the program. Two courses (6 hours) may be taken from another school at the university outside of The College of Arts and Sciences. No more than 12 hours at the 400 level (or 300 level when permitted by the department) can be applied to the plan of study.

Students are free to identify their own areas of study, or to choose from among the following areas of focus:

- Black Studies
- Communication and Film Studies
- Executive Leadership
- Hospitality Studies

For students who wish to write a thesis, up to three hours may be applied toward the completion of the degree. Students are encouraged to exercise this option concurrently with the capstone seminar or soon after its completion.

A&S 5520: Critical Choices: Final Research Project and Capstone Seminar (3 hours)

This course brings together MALS participants in the last semester of their work. Each participant in the seminar defines a final project and spends a semester developing it and presenting the findings to the group at the conclusion of the course. Each project is intended to be thought-provoking, and to cut across disciplinary lines in the examination of a question relevant to the area of emphasis that the student has followed throughout the program. In addition, guest faculty representing the humanities, the social sciences, and the natural sciences help students understand how contemporary issues and problems are interrelated with one another and with past history.

Mathematics

DEPARTMENT OF MATHEMATICS AND STATISTICS

Haag Hall, Room 206
5120 Rockhill Road
(816) 235-**1641**
math@umkc.edu
http://cas.umkc.edu/math

Mailing Address
University of Missouri-Kansas City
Department of Mathematics and Statistics
HH 206
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Jie Chen
Emeriti Faculty:
George Phillip Barker, Larry Q. Eifler, James M. Foran, James H. Gillilan, Shirley A. Hill, Thomas P. Kezlan, Paul W. Liebnitz, Jr., Bennie J. Pearson, Elbert M. Pirtle, Jr., Bruce R. Wenner
Professor:
Jie Chen, Kamel Rekab
Associate Professors:
Richard Delaware, Noah H. Rhee, Xin Yan, Yong Zeng
Assistant Professors:
Mark A. Gamalo, Eric J. Hall, Liana Sega, Hristo D. Voulov
Instructor:
Rebecca S. Roberts

- Department Description
- Graduate Programs

- Student Learning Outcomes
- Master of Science: Mathematics and Statistics
- Doctor of Philosophy

- Mathematics Courses
- Statistics Courses

Department Description

The Department of Mathematics and Statistics offers the master of science degree, with concentration in either mathematics or statistics. The department also participates in the UMKC School of Graduate Studies Interdisciplinary Ph.D. program. Qualified students can select mathematics as their coordinating discipline or as co-discipline when applying for admission or preparing their plans of study. See the School of Graduate Studies section of this catalog for more information about the Ph.D. program.

These programs are designed to develop the student's knowledge of mathematics and statistics and to provide the tools and understanding necessary for the study of other scientific and quantitative fields.

The Department of Mathematics and Statistics has an institutional membership in the American Mathematical Society.

Advising System

Advising is on an individual basis with senior mathematics faculty members. Appointments for advising may be made by contacting the department or the principal graduate adviser.

Library Resources

In addition to the Miller Nichols Library, the department has full access to the holdings and services of the Linda Hall Library of Science and Technology, a privately endowed institution of international prominence. The Linda Hall Library subscribes to more than 700 mathematics journals and maintains a large and growing collection of mathematics books.

Mathematics Courses

- 5509 General Algebra I (3)
- 5510 Complex Variables I (3)
- 5513 Real Variables I (3)
- 5514 Mathematics For Secondary Teachers: Algebra And Analysis (3)
- 5517 Matrix Theory I (3)
- 5519 General Algebra II (3)
- 5520 Complex Variables II (3)
- 5521 Differential Equations (0-3)
- 5523 Real Variables II (3)
- 5524 Mathematics For Secondary Teachers: Geometry (3)
- 5530 Axiomatic Set Theory (3)
- 5532 Advanced Numerical Analysis I (3)
- 5542 Advanced Numerical Analysis II (3)
- 5552 General Topology (3)
- 5557 Functional Analysis (3)
- 5590 Special Topics (1-3)
- 5699 Research And Thesis (1-16)
- 5899 Required Graduate Enrollment (1)

Statistics Courses

- 5501 Statistical Design Of Experiments (3)
- 5537 Mathematical Statistics I (3)
- 5547 Mathematical Statistics II (3)
- 5551 Applied Statistical Analysis (3)
- 5561 Time Series Analysis (3)
- 5565 Regression Analysis (3)
- 5572 Multivariate Analysis (3)
- 5576 Probability (3)
- 5590 Special Topics (1-3)

Physics

Department of Physics

Department of Physics

Robert H. Flarsheim Science and Technology Hall
5110 Rockhill Road, Room 257
(816) 235-**1604**
Fax: (816) 235-**5221**
hinkkf@umkc.edu
http://cas.umkc.edu/physics

Mailing Address
University of Missouri-Kansas City
Department of Physics
RHFH 257
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Michael B. Kruger
Curators' Professor:
Wai-Yim Ching
Professors:

Y.C. Jerry Jean (chemistry and physics), Michael B. Kruger (chair), Richard D. Murphy, Da-Ming Zhu (graduate director)

Professors Emeriti:

Paul J. Bryant, James M. Phillips, Marvin R. Querry (Curators' Professor), George A. Russell (president emeritus, University of Missouri), John R. Urani

Associate Professors:

Fred M. Leibsle (undergraduate director), Elizabeth P. Stoddard, Jerzy M. Wrobel

Associate Professors Emeriti:

James R. Beacham, Richard C. Waring

Assistant Professors:

Anthony N. Caruso, Daniel H. McIntosh, Donald J. Priour Jr.

Lecturers:

Robert C. Riggs

- Description of Department/Programs
- Graduate Degree Programs
- Student Learning Outcomes
- Master of Science
- Interdisciplinary Ph.D. Program Regulations
- Physics Courses

DESCRIPTION OF DEPARTMENT / PROGRAMS

The Department of Physics offers the bachelor of science and bachelor of arts degrees. These degrees can be obtained using a traditional program of study suggested for students interested in advancing to graduate school or seeking employment upon completion of their undergraduate degree.

The department offers a master of science degree in physics with thesis and non-thesis options.

The Department of Physics is eligible for full participation in UMKC's Interdisciplinary Ph.D. Program. Qualified students can select physics as a discipline when applying for admission or preparing their doctoral program of study. (See the School of Graduate Studies section of this catalog for details about the Interdisciplinary Ph.D. program.)

Many physics courses are offered in the late afternoon or evening to accommodate part-time students.

GRADUATE DEGREE PROGRAMS

The department offers an M.S. in physics with thesis and non-thesis options. The Department of Physics is an academic discipline eligible for full participation in UMKC's Interdisciplinary Ph.D. program. Qualified students can select physics as their coordinating unit or co-discipline when applying for admission or preparing their Ph.D. plan of study. A separate brochure, available from the department, describes the graduate programs in more detail.

Graduate Admissions

To be admitted to the graduate program, a student must meet the general admission requirements for the School of Graduate Studies and have undergraduate preparation in physics. An undergraduate major in physics is not required, and deficiencies in completed coursework may be overcome by taking additional undergraduate-level courses for graduate credit. Applicants are encouraged to take both the Graduate Record Examination (GRE) aptitude test and physics test. International students must take the Test of English as a Foreign Language (TOEFL). Admission will be based on academic record and other information such as letters of reference, GRE score and personal interview. See the School of Graduate Studies section in this catalog for requirements for admission to the Interdisciplinary Ph.D. program.

Career Implications of the Master's Degree

The master's degree programs in physics are intended to serve the following groups:

- Those who wish to obtain a master of science degree but do not expect to go further in graduate work.
- Those who intend to work toward a Ph.D. in physics after obtaining the M.S. degree.
- Those who wish to take graduate courses in physics as part of a program in some other discipline or for educational or professional reasons.
- Those who wish to obtain an Interdisciplinary Ph.D. degree from UMKC in two or more academic disciplines, one of which is physics.

The career implications for students with an M.S. degree in physics and seeking employment are similar to those with B.S. degrees, but they will have a more advanced standing and experience in science department activities.

A student who is entering the graduate program with the objective of earning a master of science degree will select or be assigned an adviser. This assignment should be made during the first semester, if possible. Together, the student and the adviser will work out the complete program of study for the master of science degree. Students entering UMKC's Interdisciplinary Ph.D. program, and choosing physics as one of their academic disciplines, must follow the academic regulations of the School of Graduate Studies as set forth in the School of Graduate Studies section in this catalog. All graduate students in physics who have completed more than 6 graduate credit hours must take a departmental examination in the fall.

Scholarships, Fellowships and Assistantships

Financial support is available through fellowships, teaching assistantships, research assistantships or hourly student wages. Students wishing to be considered for an assistantship must so specify in their letters and application forms.

INTERDISCIPLINARY PH.D. PROGRAM REGULATIONS

Regulations

The Department of Physics is a full participant in the Interdisciplinary Ph.D. Program. The doctoral studies committee of the department has the primary responsibility for administering the program within the department. The committee consists of all physics doctoral faculty members with an elected committee chairperson.

See the School of Graduate Studies section in this catalog and the departmental graduate brochure for general and discipline-specific regulations for Interdisciplinary Ph.D. study with physics as a coordinating unit discipline or co-discipline.

PHYSICS COURSES

- 5500 Methods Of Mathematical Physics I (3)
- 5501 Methods Of Mathematical Physics II (3)
- 5505 Survey Of Recent Development In Physics (3)
- 5510 Theoretical Mechanics I (3)
- 5511 Theoretical Mechanics II (3)
- 5520 Electromagnetic Theory And Applications I (3)
- 5521 Electromagnetic Theory And Applications II (3)
- 5530 Quantum Mechanics I (3)
- 5531 Quantum Mechanics II (3)
- 5535 Optical Properties Of Matter (3)

- 5540 Statistical Physics I (3)
- 5541 Statistical Physics II (3)
- 5550 Atomic And Molecular Structure (3)
- 5560 Nuclear Physics (3)
- 5570 Quantum Theory Of Solids I (3)
- 5571 Quantum Theory Of Solids II (3)
- 5580 Physics Seminar (1)
- 5590 Topics In Physics (1-3)
- 5590A Topics In Physics (1-3)
- 5595L Computer Interfacing Laboratory (3)
- 5599 Research And Thesis (1-9)
- 5630 Advanced Quantum Theory (3)
- 5680 Research Seminar (1-2)
- 5690 Special Research Topics (1-3)
- 5699 Research And Dissertation (1-9)
- 5899 Required Graduate Enrollment (1)

Political Science

Department of Political Science

Haag Hall, Room 213
5120 Rockhill Road
(816) 235-**1326**
Fax: (816) 235-**5594**
pol-sc@umkc.edu
http://cas.umkc.edu/polisci

Mailing Address
University of Missouri-Kansas City
Department of Political Science
HH 213
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Harris G. Mirkin
Emeriti Faculty:
Ben L. Martin, Dale A. Neuman, G. Ross Stephens
Curators' Professors:
David N. Atkinson (pre-law adviser), Max J. Skidmore
Professor:
Robert E. Gamer
Associate Professors:
Robert K. Evanson (principal master's adviser), Harris G. Mirkin (chair)
Assistant Professors:
Elizabeth Miller, Boris E. Ricks
Visiting and Adjunct Professors, Full-time Lecturers:
Robert Collins, Mohammed Hafez, Dan Stoll, Reginald L. Bassa, Jr. (director, program for adult college education)

- Department Description
- Master of Arts: Political Science
  - Admission
  - Career Implications
  - Requirements for Retention
  - Student Learning Outcomes
  - Requirements for Graduation
- Political Science Courses

Department Description

The Department of Political Science offers courses leading to the degrees of bachelor of arts and master of arts, and participates in the Interdisciplinary Ph.D. program.

The undergraduate major in political science is based on the principles of a liberal arts education, with special attention devoted to philosophies, institutions, processes and behavioral aspects of politics.

Master of Arts: Political Science

The master of arts degree in political science offers intensive study across the range of major subfields in politics and government. Because of the breadth of its focus, the M.A. is designed as a terminal degree for most students.

Admission

To be admitted as a regular graduate student in political science, an applicant must have an adequate background in the social sciences. An undergraduate degree in political science is recommended but not required. The department does require applicants to have earned a 3.0 grade-point average in their last 60 credit hours of undergraduate coursework, as well as in their major field of study.

The application process is competitive. Satisfying minimum criteria does not guarantee admission to the graduate program; students are admitted according to their rank in the applicant pool and the adequacy of departmental resources.
Applicants must submit:

1. A completed UMKC application for admission.
2. Official transcripts of all previous college work.
3. Scores from the Graduate Record Examination (General).
4. A letter of application to the principal master's adviser expressing personal plans and interests in graduate work in political science.
5. Two letters of recommendation from professors, employers or others qualified to assess academic potential.

All application materials should be sent to the UMKC Office of Admissions for transmittal to the Department of Political Science for an admissions decision.

Applicants whose records do not meet the requirements of undergraduate academic performance, or whose application submissions are incomplete, may be admitted as non-regular graduate students, depending on individual circumstances. Only regular graduate students may apply for the M.A. degree. Admission under any circumstances is no guarantee of retention.

Career Implications

Consult with the principal master's adviser for details on the variety of career opportunities enhanced by the M.A. in political science.

Requirements for Retention

Graduate students are expected to maintain a high degree of academic excellence. After completion of nine credit hours of coursework in political science at UMKC, the academic performance and status of each student will be reviewed by the faculty and a departmental decision will be made as to retention of the student in the graduate program.

Students whose grade-point averages fall below 3.0 (B) for more than two semesters may be dropped from the program. A 3.0 grade-point average is required for graduation.

Temporary grades of "incomplete" will be granted only rarely by political science faculty, only in extraordinary circumstances beyond the control of the student, and only if there are reasonable expectations that the work can be completed. Except in thesis courses, all grades of incomplete will be automatically converted to F's after one year.

The faculty of the Department of Political Science views plagiarism and academic dishonesty as inexcusable. Any student found guilty of these will be dropped from the program.

Students also should consult the School of Graduate Studies section in this catalog for general academic regulations that apply to all graduate students at UMKC.

Political Science Courses

- 5505 Scope And Methods Of Political Science (3)
- 5513 Comparative Politics: Asia, Africa, And Latin America (3)
- 5521 Judicial Politics (3)
- 5522 Seminar In The Presidency (3)
- 5524 Urban Politics (3)
- 5530 International Relations (3)
- 5541 American Political Thought (3)
- 5542 Constitutional Interpretation (3)
- 5570 The Politics Of Social Security (3)
- 5575 Political Ideologies (3)
- 5580 Government And Politics Seminar (3)
- 5590 Directed Studies And Research (1-6)
- 5599 Thesis (1-6)
- 5680 Traditions, Theories, And Trends In Political Science (3)
- 5688 Doctoral Research Seminar (3)
- 5697 Doctoral-Level Independent Readings (3)
- 5697A Doctoral-Level Ir: American National Politics And Institutions (3)
- 5697I Doctoral-Level Ir: International Politics And Processes (3)
- 5697L Doctoral-Level Ir: Public Law (3)
- 5697O Doctoral-Level Ir: Public Opinion And Voter Behavior (3)
- 5697R Doctoral-Level Ir: Research Methods (3)
- 5697T Doctoral-Level Ir: Political Theory (3)
- 5697U Doctoral-Level Ir: Urban And State Politics (3)
- 5699 Research And Dissertation (1-12)
- 5899 Required Graduate Enrollment (1)

Psychology

Department of Psychology

4825 Troost Avenue, Suite 124
(816) 235-**1318**
(816) 235-**1062** (FAX)
psychology@umkc.edu
http://cas.umkc.edu/psyc

Mailing Address
University of Missouri-Kansas City
Department of Psychology
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Diane L. Filion

Associate Professors:
Delwyn Catley, Diane L. Filion, Linda Garavalia, Leah K. Gensheimer, Kathleen J. Goggin, Lisa Terre

Assistant Professors:
Kymberly Bennett, Jannette Berkley-Patton, Jared M. Bruce, Terri D. Conley, Christopher T. Lovelace, Jennifer D. Lundgren, Joshua L. Rabinowitz, Melisa Rempfer, Marne L. Sherman

- Department Description
- Career Implications of the Degree
- Financial Aid
- Department Activities
- Advising System
- Master of Arts: Psychology
  - Graduate Admissions
  - Student Learning Outcomes
  - Suggested Plan of Study

    - Requirements for Retention
- Doctor of Philosophy: Clinical Program (Health Emphasis)
    - Admission Criteria
    - Admission Procedure
    - Student Learning Outcomes
    - Plan of Study
    - Requirements for Retention
- Interdisciplinary Doctor of Philosophy: Non-clinical Health Psychology
- Psychology (PSYCH) Courses

Department Description

The Department of Psychology is focused on behavioral science contributions to health and health care. Our faculty members are national and international leaders in research on areas such as HIV/AIDS, tobacco use, obesity and eating disorders, cancer, neuropsychological functioning, safety and violence, and community factors in health. We have strong and active collaborations with important community partners such as Saint Luke's Hospital, The Cancer Institute, Mid America Heart Institute, the Kansas City Free Clinic, University of Kansas Medical Center, and Truman Medical Center. At the undergraduate level, the department offers a general program of study leading to the bachelor of arts degree in psychology. A psychology minor is available to students majoring in other disciplines. Graduate programs are offered by the department that lead to the doctor of philosophy degree.

Psychology participates in the Interdisciplinary Ph.D. program of the School of Graduate Studies through the Psychology discipline, Psychology. See the School of Graduate Studies section of this catalog for more information about doctoral programs in the Interdisciplinary Ph.D. program.

Career Implications of the Degree

Psychology is a broad discipline incorporating material from the natural sciences, other social sciences and the humanities. The study of psychology entails an examination of the human condition that is relevant to a wide range of occupations. A psychology major serves as the basis for an excellent liberal arts education and also serves as an excellent introduction to the world of scientific inquiry. Psychology students learn about the important concepts that underlie current scientific thought and they receive training in the application of psychological research methods.

The educational background obtained by a student majoring in psychology will prove useful in a variety of professional settings and will provide adequate preparation for entry-level positions in a variety of fields. Graduates with bachelor's degrees in psychology have established careers in such diverse areas as:

- Business and industry.
- Child care.
- General health care.
- Gerontology.
- Mental health services.
- Probation and parole.
- Public relations and marketing.
- Research or laboratory assisting.
- Services for the developmentally disabled.
- Social services.

For students interested in pursuing a career in the field of psychology, a psychology major is clearly a logical beginning. There are positions available to job candidates with bachelor's degrees in psychology; however, most professional opportunities in psychology require advanced degrees (master's, specialist, doctorate). Students who want to pursue a career in psychology are advised to prepare for graduate study. The psychology major at UMKC offers a solid educational foundation for students who plan to work toward advanced degrees in the field.

Financial Aid

Part-time graduate teaching and research assistantship positions are available in the department. Students interested in GTA/GRA positions should contact the department chair. In addition, information is available about positions in the community in areas related to psychology.

Department Activities

Bernard Lubin Memorial Speaker Series

This speaker series is sponsored by the UMKC Psychology Department and is named in memory of Dr. Bernie Lubin, Curator's Professor Emeritus, to honor his contributions and dedication to the field of psychology and its teaching. To learn about scheduled speaker events, go to the Bernard Lubin Speaker Series.

Honor Society

The department has a chapter of Psi Chi, the national honor society in psychology. Each year Psi Chi presents a variety of educational and social programs. Membership is open to students at both undergraduate and graduate levels. Regular meetings are held throughout the academic year. Interested students should contact Dr. Terri Conley, faculty adviser, at conleyte@umkc.edu. Visit the Psi Chi Web site at http://cas.umkc.edu/psyc/psichi/index.htm for more information.

Psychology Activity Committee

The focus of the Psychology Activity Committee (PAC) is to coordinate graduate student and student-faculty social events, enhance communication between the members of various graduate programs in the department, and coordinate educational events to support the professional development of students in the graduate programs. The committee and the events planned are open to graduate students within the psychology department. Students interested in the committee should contact Dr. Jennifer Lundgren, faculty adviser, at lundgrenj@umkc.edu.

Advising System

Please visit the Psychology department's Web site for program information.

Master of Arts: Psychology

Director:
Lisa Terre

Program Description

Effective spring semester 2006, the M.A. program has suspended admissions indefinitely. Future updates about the program will be posted on our departmental home page at http://cas.umkc.edu/psyc.

The master of arts in psychology program prepares students for careers that require the application of psychological principles to the workplace or community settings. The

program involves training in theory, research design and statistics, and the application of principles to real world situations. The program provides advanced training both for recent graduates and for individuals who have been in the work force for a number of years. Although some students subsequently enter doctoral programs and complete Ph.D.s, many immediately accept challenging jobs in the public, private or non-profit sector. Students may complete the program on a full- or part-time basis, however to ensure the timeliness of training, all program requirements must be completed within five years from admission. There are two program concentrations reflecting the strengths of our faculty:

- Health Psychology
- Quantitative Methods and Research Design

Both concentrations offer thesis and non-thesis options. The program is research oriented and provides many opportunities to gain valuable experience in conducting research and includes experimental studies working with human participants in a variety of areas. See faculty interests and on-going projects on the departmental home page http://cas.umkc.edu/psyc

Potential applicants should be aware that the psychology M.A. is not designed to prepare students for professional practice as a psychologist. Further, completion of an M.A. in Health Psychology is not adequate preparation for either the practice of psychology or use of the term "psychologist," both of which are regulated by state statute. Students interested in the practice of psychology should consider the Clinical Psychology Ph.D. program described under the Department of Psychology listing.

Thesis Option:

Those students who hope to pursue additional graduate training (i.e., Ph.D.) are strongly encouraged to select the thesis option. Students who select this option work closely with their M.A. thesis adviser to develop an empirical project, which is evaluated and approved by a committee chosen by the student and his/her adviser. Students are expected to work independently during all aspects of the thesis, including design, data collection, analysis, and write-up. A final report is written by the student, approved by the thesis committee, and submitted to the Graduate School for credit towards the master's degree. The thesis must fulfill the requirements of the School of Graduate Studies, described in the Graduate Catalog. A minimum of 36 credit hours are required, including six hours of supervised research (Psych 5590).

Non-Thesis Option:

Those students who seek to immediately apply their skills in work settings and do not plan to pursue additional graduate training (i.e., Ph.D.) are encouraged to select the non-thesis option. A minimum of 36 credit hours are required, including six hours of supervised research (Psych 5590) resulting in an independent project.

GRADUATE ADMISSIONS

Director:
Lisa Terre

Program Description

Effective spring semester 2006, the M.A. program has suspended admissions indefinitely. Future updates about the program will be posted on our departmental home page at http://cas.umkc.edu/psyc.

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Those students who hope to pursue additional graduate training (i.e., Ph.D.) are strongly encouraged to select the thesis option. Students who select this option work closely with their M.A. thesis adviser to develop an empirical project, which is evaluated and approved by a committee chosen by the student and his/her adviser. Students are expected to work independently during all aspects of the thesis, including design, data collection, analysis, and write-up. A final report is written by the student, approved by the thesis committee, and submitted to the Graduate School for credit towards the master's degree. The thesis must fulfill the requirements of the School of Graduate Studies, described in the Graduate Catalog. A minimum of 36 credit hours are required, including six hours of supervised research (Psych 5590).

Non-Thesis Option:

Those students who seek to immediately apply their skills in work settings and do not plan to pursue additional graduate training (i.e., Ph.D.) are encouraged to select the non-thesis option. A minimum of 36 credit hours are required, including six hours of supervised research (Psych 5590) resulting in an independent project.

DOCTOR OF PHILOSOPHY: CLINICAL PROGRAM (HEALTH EMPHASIS)

Contact Person:
Cathy Rawlings
http://cas.umkc.edu/psyc/grad/clinical.htm

Note: The information on the Department of Psychology web pages (link above) supersedes information in this Department of Psychology catalog section, as the catalog is updated only once per year.

The Psychology Ph.D. is a full-time, day-time clinical program of graduate study that provides professional education in the entry-level science and practice of clinical psychology. Within this broader context, the program also integrates clinical and epidemiological research with the health and life sciences, providing science-practice training in clinical health psychology. Based on a scientist-practitioner model, the program seeks to:

- Enhance the public health, broadly defined, through rigorous training of students (education mission).
- Provide an accessible resource for the integration of behavioral sciences and health research and healthcare (service mission).
- Develop knowledge and enhance health outcomes through empirical research (research and evaluation mission).
- Incorporate integrity and respect for human and intellectual diversity in all our activities (human mission).

The program's clinical training and services are grounded in a commitment to the integration of science and practice. Program faculty and students are actively involved in community and healthcare systems to promote a high quality of life for all.

* UMKC also offers a Ph.D. in Counseling Psychology through the School of Education. For information on that program, please see http://education.umkc.edu/CEP.

Admission Criteria

The program is designed for applicants with a prior bachelor's or master's level degree. New students are admitted in fall semester only. Because the program receives applications from many more qualified individuals than can be admitted, admission is competitive (see links to detailed information below). All application materials must be *received by Jan. 15* to be considered for admission the following fall. Visit the Clinical Psychology program Web page for current application procedures and links to other helpful application resources.

The following are minimum criteria recommended for admission:

1. A bachelor's degree in Psychology, Counseling, Special Education or other health-related discipline such as Pre-Med or Nursing. Satisfactory completion of prior coursework in Introductory/General Psychology, Experimental Methods/Research Design and Statistics/Quantitative Methods is required. Satisfactory completion of prior coursework in at least two of the following areas is also strongly recommended: Abnormal Psychology, Personality, Biopsychology, Sensation and Perception, Cognitive Psychology, Motivation, Social Psychology.
2. Undergraduate GPA of 3.0 or graduate GPA of 3.5. Alternative criteria may be accepted at the discretion of the admissions committee if there is good reason to believe the regular criteria do not adequately portray the student's potential to do quality work in the program. However, admission to the program is highly competitive, and we seek to admit students with a general history of excellence. A disclosure of the average GPA of students recently admitted to the program can be accessed through the program Web page.
3. Competitive Graduate Record Examination scores from the general test (GRE Math + Verbal greater than 1100; Analytical Writing score of at least 4.5). Students whose scores fall below this recommended minimum may present additional evidence of their capacity to do quality doctoral-level work. Such additional evidence will be considered and accepted at the discretion of the Clinical Admissions Committee. A disclosure of the GRE scores of students recently admitted to the program can be accessed through the program Web page.
4. Demonstrated evidence of interest in clinical health research. The program follows a mentorship model. Therefore, applicants whose research interests are similar to those of the faculty will be given higher consideration. A listing of program faculty interests and research can be accessed through the Clinical Psychology program Web page.
5. History of personal conduct consistent with the ability to adhere to high standards of student conduct, as outlined in the UMKC Standard for Student Conduct, and professional conduct as outlined by the American Psychological Association and state licensure boards.

Because clinical and health psychology are empirically-based disciplines, the program emphasizes continuous involvement in research and practice. For this reason, *students primarily interested in psychotherapy and clinical or counseling practice without a strong interest in the scientific aspect of the scientist/practitioner model would be better served by other programs.*

The program typically accepts four students each year. Applicants are evaluated based on the following dimensions:

1. Academic potential
2. Research potential
3. Interpersonal skills and other indications of potential for clinical work
4. Professional identity and involvement
5. Evidence of high ethical standards

The program follows the American Psychological Association Guidelines for Graduate School Offers and Acceptances.

Admission Procedure

New students are admitted in fall semester only. Because the program receives applications from many more qualified individuals than can be admitted, admission into the program is highly competitive. A disclosure of relevant data for students recently admitted to the program can be accessed through the program Web page. All application materials must be *received by January 15th* to be considered for admission in the following fall. Please see the Clinical Psychology program webpage for current application procedures.

The program follows the American Psychological Association Guidelines for Graduate School Offers and Acceptances.

Interdisciplinary Doctor of Philosophy: Non-clinical Health Psychology

A complete description of the program, the admissions policies, and curriculum are provided on the Department of Psychology Web site (http://cas.umkc.edu/psyc).

Psychology (PSYCH) Courses

- 5504 Contemporary Issues In Learning (3)
- 5505 Motivation (3)
- 5507 Cognitive Psychology (3)
- 5509 Assessment 1: Intellectual And Cognitive Assessment (3)
- 5510 Assessment Methods In Professional Counseling (3)
- 5511 Principles Of Assessment In Psychology (3)
- 5512 Contemporary Issues In Social Psychology (3)
- 5515 Advanced Systems And History Of Psychology (3)
- 5516 Quant Analysis 1: Regression And Analysis Of Variance (3)
- 5517 Quantitative Analysis II: Advanced Topics In Regression And Mda (3)
- 5518 Advanced Biopsychology (3)
- 5521 Advanced Social Psychology (3)
- 5522 Contemporary Issues In Developmental Psychology (3)
- 5523 Seminar Personality Theory And Methodology (3)
- 5533 Psychopathology (3)
- 5538 Development And Evaluation Of Assessment Tools (3)
- 5540 The Psychology Of Aging (3)
- 5543 Adult Development And Aging (3)
- 5550 Field Practicum (4)
- 5575 Professional Issues And Ethics In Psychology (3)
- 5575A Professional Issues & Ethics (3)
- 5580 Special Topics (1-3)
- 5580AD Special Topics (1-3)
- 5580SM Special Topics (1-3)
- 5582 Community Mental Health (3)
- 5586 Theory, Research And Practice Of Consultation (3)
- 5590 Directed Research (1-6)
- 5597 Directed Readings In Psychology (3)
- 5599 Research And Thesis (1-9)
- 5601 Experimental Methods In Design And Analysis I (3)
- 5604 Field Practicum In Community Psychology (3)
- 5611 Theories & Methods Of Assessment & Intervention/Community Psych (3)
- 5612 Program Evaluation And Research Dissemination (3)
- 5614 Prevention Science I: Theories, Principles And Methods (3)
- 5615 Prevention Science II: Applications (3)

- 5622 Theoretical And Ethical Issues In Professional Psychology (3)
- 5623 Methods Of Counseling In Professional Psychology (3)
- 5625 Health Research Methods: Intro To Epidemiology & Clinical Trials (3)
- 5631 Theoretical Foundations Of Health Psychology (3)
- 5632 Health Psychology Interventions (3)
- 5638 Seminar In Health Care Leadership (3)
- 5650 Clinical Practicum (1-6)
- 5660 Clinical Health Psychology Internship (1-6)
- 5696 Pre-Dissertation (1-12)
- 5699 Research And Dissertation (1-16)
- 5899 Required Graduate Enrollment (1)

Religious Studies

Religious Studies

Haag Hall, Room 204E
5120 Rockhill Road
(816) 235-**5704** or **5854**
Fax: (816) 235-**5542**
rel-st@umkc.edu
http://cas.umkc.edu/religious_studies/

Mailing Address
University of Missouri-Kansas City
Center for Religious Studies
HH 204
5100 Rockhill Road
Kansas City, MO 64110-2499

Program Director:
Gary L. Ebersole
Professors:
Gary L. Ebersole (director and history department)
Associate Professors:
Jeffrey A. Rydberg-Cox (chair, English language and literature), Virginia Blanton (English language and literature)
Assistant Professors:
Jeffrey S. Bennett (sociology), Theresa Torres (sociology)

- Description of Program
- Doctoral Program
- Religious Studies Courses

Description of Program

The Center for Religious Studies offers an interdisciplinary, cross-cultural and socio-historical approach to the study of religion. The Center is a consortium of several area institutions of higher education that have pooled their resources to participate in the UMKC Interdisciplinary Ph.D. program. Students in religious studies are introduced to the many dimensions of religious belief, practice and expression found in human cultures across time and space. In addition to graduate courses, the Center offers a number of undergraduate courses. Related courses relevant to the study of religion will be found under the listings of other departments and programs.

Doctoral Program

See the Religious Studies discipline in the School of Graduate Studies section of this catalog.

Religious Studies Courses

- 5500 Special Topics In Religious Studies (1-3)
- 5505 Religion In America (3)
- 5510 Religions Of The World (3)
- 5567 Myth and Ritual (3)
- 5584RS Sacred Narratives And Texts (3)
- 5586RS Methodological Approaches To The Study Of Religion (3)
- 5587RS Research Seminar (3)
- 5592 Cults Sects, And New Religious Movements (3)
- 5593 Sex And Religion (3)
- 5594RS Death In The History Of Religions (3)
- 5595RS Time And Space In The History Of Religions (3)
- 5596RS Body In The History Of Religions (3)
- 5597RS Non-Thesis Research/Reading (1-6)
- 5598RS Seminar In The History Of Religions (3)
- 5680RS Doctoral Colloquium (3)
- 5687RS Doctoral Research Seminar (3)
- 5697RS Doctoral-Level Independent Readings (1-6)
- 5699RS Dissertation (1-15)
- 5899 Required Graduate Enrollment (1)

Social Work

School of Social Work

Master of Social Work Program
4825 Troost Avenue, Suite 106

(816) 235-**1025**
Fax: (816) 235-**6573**
soc-wk@umkc.edu
http://cas.umkc.edu/socialwork

Mailing Address
University of Missouri-Kansas City
School of Social Work
5100 Rockhill Road
Kansas City, MO 64110-2499

Program Director:
Michael Smith
Director of Field Education:
Elaine Spencer-Carver
Faculty:
Rosalyn Bertram (children, youth & families; developmental disabilities), Betty Blackmon (practice; violence across the life span; human behavior; cultural competency), J. Larry Dyer (practice; substance abuse), Monica Nandan (healthcare), Lee Rathbone-McCuan (social policy and aging), Michael Smith (policy, history of social work), Elaine Spencer-Carver (practice; violence across the life span; children, youth and families; qualitative research), Rhonda Weimer (psychopathology; practice; advanced group)

- Department Description
- Career Implications
- Program Description
- Field Practicum
- Admissions
- Degree Requirements
- Student Advising
- Student Learning Outcomes
- Plan of Study
- Professional Status
- Social Work (SW) Courses

Department Description

The School of Social Work offers a program of study leading to the master's in social work degree and a professional career in social work. Started in 1999, the M.S.W. program is the result of collaborative efforts by the University of Missouri System, UMKC and many social service agencies in the Kansas City metropolitan area. The M.S.W. program received initial accreditation in May, 2003.

The mission of the UMKC M.S.W. program is the preparation of competent professionals for advanced generalist social work practice in the urban environment. The M.S.W. program emphasizes three themes across the curriculum: empowerment and social and economic justice; strengths perspective and asset building; and community building.

Achieving proficiency in each of these competency areas results in an M.S.W. graduate with the ability to practice across a variety of social service settings and with a specialty set of skills individualized through the selection of elective courses.

Career Implications

Why consider an advanced degree in social work? Above all, the degree is flexible and versatile. For example, social workers are employed in public social service agencies, nonprofit organizations, medical settings, schools, community-based clinics and residential settings. The social work perspective looks not only at individual thoughts, feelings and actions, but also at the social environment as a primary arena for opportunities for change. On behalf of the people they serve, social workers have strong interests in social policy and advocacy, as well as social science research and policy and program evaluation.

Program Description

The program educates advanced generalist social work practitioners for professional responsibilities in today's challenging human service field. To accommodate working students' schedules, many classes are scheduled for late afternoons, evenings and weekends.

As adult learners, students have opportunities to choose assignments and electives fitting their learning needs. Faculty members view students as active co-directors of the learning process. Group discussion and debate; role playing; and other experiential activities complement readings and written assignments.

The practice-oriented curriculum is focused on advanced generalist social work practice in an urban environment. It is an eclectic theory base for viewing human behavior in the social environment; skills for operating in a multidisciplinary agency and community environment; research methods with practical application to agency practice; and approaches to working with culturally diverse populations.

The full-time, regular M.S.W. program offers a two-year, 60-credit curriculum combining classroom and field experience. For students who already have a B.S.W. degree, the full-time advanced standing program includes 36 credits during a summer semester and one full-time year of coursework with a supervised field practicum. Any student may attend part-time but must complete the M.S.W. in four years.

The foundation year includes coursework in generalist social work practice theory and skills, social policy, human behavior in the social environment, social work research and a generalist field practicum experience in a social service agency 16 hours a week.

In the concentration level year, the curriculum focuses on advanced generalist method within an urban context. Students select four electives with a requirement of at least one elective in Integrative content area and at least one elective in Advanced Methodological approaches to Social Work practice. Students explore individualized interest by their selection of electives. Then a second field practicum for 16 hours a week provides advanced generalist experience and supervision.

Field Practicum

The practicum program uses agencies throughout the metropolitan area to offer experiences at both foundation and advanced levels. Students typically spend two days in the field and are mentored by an M.S.W. practitioner employed by the agency. Students spend a required number of hours in face-to-face contact with clients; in agency meetings; in individual or group supervision; and in the community. In some cases, students who already are social service employees can arrange to complete one year of their field placements at their own agencies.

Admissions

The majority of applicants to M.S.W. programs have a variety of undergraduate degrees. Some people have life or work experience in other fields and are ready for a career change. Others have worked in the human service field and are ready to pursue an M.S.W. degree to advance in their careers.

Applicants who already have a B.S.W. degree can consider the advanced standing program if they have received the B.S.W. degree within the last five years and had a 3.0 grade-point average in the B.S.W. major.

For both the regular and advanced standing programs, applicants should request an admissions packet from the School of Social Work at 816-235-1025. The packet contains an information folder, a program application, and a graduate student application from the University.

In addition to standard materials, applicants must submit an essay in response to the questions:

1. "What social need do you hope to address as a professional social worker?"
2. "What groups of people or what organizational settings might best utilize your personal and professional talents?"

Three confidential references from people able to assess the applicant's work and academic experience and professional potential are required. Students must send this material directly to the program.

While personal interviews are not required, the M.S.W. Admissions Committee may request a meeting with an applicant. Applicants with questions about the program may attend public information sessions, which are scheduled once a month in the Social Work office.

The program is inclusive and draws from a diverse applicant pool. Toward this end, program faculty members make regular community presentations to diverse groups, and work with the Office of Student Affairs to link with student organizations representing women; people of color; gays and lesbians; international students; and students with disabilities.

Complete admission requirements include:

1. An application submitted as instructed.
2. A bachelor's degree from an accredited college or university. The applicant's undergraduate education must reflect a sound liberal arts foundation, including courses in the humanities, as well as in the social and behavioral sciences, and human biology.
3. An undergraduate grade-point average of 3.0 or better for the last 60 hours of coursework.
4. In some cases, students may be admitted on a provisional basis if they have less than 3.0 GPA, meet all other admissions requirements, and have submitted a written statement asking to be considered for admission based on: (1) completion of 6 hours of relevant graduate-level coursework, acceptable to the faculty, with a grade-point average of 3.0, reported on an official transcript or (2) evidence of sustained commitment and significant contribution in the field of human services.
5. The program does not give academic credit for life experience or previous work experience.
6. Student transfers from other accredited M.S.W. programs may apply to the program. Some or all of a student's completed coursework will be considered for transferred credit.
7. All applicants transferring from other M.S.W. programs in which they are currently enrolled must be in good standing with the program.

Student Advising

M.S.W. students can seek information and support from the faculty. After admission to the program, students attend an orientation, receive a Student Handbook, and are assigned an academic adviser from the faculty. Ongoing contact with the adviser ensures that a plan of study is meeting the expectations of the student and the guidelines of the M.S.W. program. Part-time students will find the adviser particularly helpful in planning the sequence and the timing of courses and field work. When a student selects a field placement, the field practicum director and a faculty field liaison work with the student and the agency to ensure a quality learning experience. In addition, the M.S.W. program director and the M.S.W. student organization offer opportunities for students to discuss their experience in the program and in the field.

Professional Status

After graduation, students are well prepared to accept a professional social work position with populations at-risk in a variety of social service, mental health, medical, or community settings.

Both Missouri and Kansas offer an exam to license specialist clinical social workers after two years of supervised practice in direct services. For social workers who plan to practice at this level, Kansas statutes require completion of graduate or continuing education courses in psychopathology and diagnostic skills. Students who are considering clinical licensure in Kansas are encouraged to take this course as an elective prior to graduation from the M.S.W. program.

Social Work (SW) Courses

- 5510 Foundation Field Practicum I (3)
- 5511 Foundation Field Practicum II (3)
- 5512 Advanced Field Practicum I (3)
- 5513 Advanced Field Practicum II (3)
- 5530 Human Behavior: Individuals In The Social Environment (3)
- 5531 Human Behavior: Families, Groups, Organizations, And Communities (3)
- 5532 Foundations Of Social Work Practice I (3)
- 5533 Foundations Of Social Work Practice II (3)
- 5534 Social Welfare Programs And Policies (3)
- 5535 Social Welfare Policy Practice (3)
- 5536 Social Work Research Methods (3)
- 5537 Quantitative Social Work Research Methods (3)
- 5538 Advanced Standing Seminar: Contemp Trends In Social Work Practice (3)
- 5539 Adv Standing Sem: Emerging Iss In Soc Welfare Policy And Research (3)
- 5540 Advanced Social Work Practice I (3)
- 5541 Advanced Social Work Practice II (3)
- 5542 Social Services With Older Adults (3)
- 5544 Families, Communities and Child Welfare (3)
- 5546 Mental Health and Substance Abuse in Social Work Practice (3)
- 5550 Program Evaluation and Management (3)
- 5560 Psychopathology: A Competency Based Assessment Model in Social Work Practice (3)
- 5562 Family Organization and Development: Multi-systems Interventions (3)
- 5564 Advanced Group Interventions in Social Work (3)
- 5568 School Social Work Practice (3)
- 5575 Advanced Generalist Community Practice (3)
- 5579 Integrative Seminar of Advanced Generalist Practice (3)
- 5580 Special Topics In Social Work (1-3)
- 5590 Readings And Investigations In Social Work (1-3)

Sociology

Department of Sociology

Haag Hall, Room 208
5120 Rockhill Road
(816) 235-**1116**
Fax: (816) 235-**1117**
sociology@umkc.edu
http://cas.umkc.edu/soc

Mailing Address

University of Missouri-Kansas City
Department of Sociology
HH 208
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Linda Breytspraak
Professors Emeriti:
Thomas Carroll, C. Neil Bull
Professors:
Philip G. Olson (director of Urban Affairs Program), Peter Singelmann
Associate Professors:
Linda M. Breytspraak (chair and director of Center on Aging Studies and director of graduate program in gerontology), Burton Halpert, Deborah Smith (principal graduate adviser, sociology, and director of Family Studies Program)
Assistant Professors:
Jeffrey S. Bennett, Jennifer Huberman, Sookhee Oh, Theresa Torres
Visiting Assistant Professors: G. Derrick Hodge, Ann Marie Hickey
Joint Appointment:
Louise Arnold (School of Medicine)
Administrative Assistant:
Susan Hankins

- Department Description
- Department Activities
- Master of Arts: Sociology
  - Admission Requirements
  - Application Procedures
  - Career Implications of the M.A. in Sociology
  - Student Learning Outcomes
  - M.A. Degree Requirements
  - Degree Options
- Interdisciplinary Ph.D. Program
- Courses
  - Anthropology Courses
  - Sociology (SOC) Courses

Department Description

The Department of Sociology offers programs of study leading to the following degrees:

- Bachelor of Arts in Sociology
- Master of Arts in Sociology

Program minors are available in:

- Sociology
- Anthropology
- Family Studies
- Women's and Gender Studies
- Gerontology

The department also participates in UMKC's Interdisciplinary Ph.D. program. See the Sociology Discipline in the School of Graduate Studies section of this catalog.

The mission of the department is to extend knowledge about the nature of social life. This mission includes continuing participation by faculty in significant criminological and sociological research; other scholarly endeavors; and inviting students to join in that activity by:

- Learning the core materials of the discipline.
- Acquiring research skills.
- Assisting in faculty research.
- Becoming involved in student activities that supplement coursework and research.

Department Activities

Academic Advising

Student academic advising is a continuous process in the department. The principal graduate adviser is available for consultation throughout the academic year. Graduate students are required to consult with the department to establish a tentative plan of study. A master's degree program of study form, and a form appointing a supervisory committee, should be submitted at about the mid-point in the program. Students should leave their mail and e-mail addresses with the department so they can receive notifications concerning the class time table, new classes and other departmental news and opportunities.

Financial Assistance

Students can receive financial assistance through various campus scholarships, loan programs, grants and the work-study program. Students who are interested should contact the Financial Aid and Scholarships Office. In addition, a small number of graduate students may receive financial assistance through teaching and research assistantships offered by the department. These assistantships offer an important opportunity for students to develop their professional skills through teaching or research. Information on other sources of aid for graduate students can be found on the School of Graduate Studies Web site at http://sgs.umkc.edu/financial.asp.

Center on Aging Studies

Haag Hall, Room 208
(816) 235-**1747**
http://cas.umkc.edu/cas

The Center on Aging Studies, which is part of the College of Arts and Sciences, is an interdisciplinary unit concerned with education, research, resource development and community activities designed to understand and improve living conditions of the older population. Among the areas of research and training are health care systems and health promotion, caregiving, grandparents raising grandchildren, volunteerism, intergenerational relationships, social security, social identity and self development and aging in other cultures. The center seeks to bridge the gap between knowledge and its application in the development of services and policies.

The center, in conjunction with the College of Arts and Sciences Continuing Education Division, administers graduate and undergraduate certificate programs in gerontology, fosters new course development and provides continuing education opportunities for the community and the region.

The Center on Aging Studies has built on its position in the heartland of America with emphasis on issues of aging in rural areas. The center works closely with University of Missouri Extension throughout the state.

Admission Requirements

Regular admission to graduate study typically requires a baccalaureate degree in sociology from an accredited college or university with an undergraduate GPA of 3.0 (B) in the last two years (junior and senior) of coursework, and in sociology coursework. Students should have taken undergraduate courses in social theory, research methods, and statistics (equivalent to SOC 361, 362 and 363), and have passed each of these courses with a grade of B or higher. Students who do not meet these requirements may be accepted provisionally to the program. Provisional admission means deficiencies must be remedied before being fully admitted as a degree-seeking student in the master of arts in sociology program.

Student Learning Outcomes

Students with a M.A. in sociology should be able to:

- **Examine** the role and relevance of the sociological perspective for graduate students who will have the knowledge and skills necessary to pursue either a Ph.D. in a related field or to engage in enhanced study, research, and/or application of sociological method and theory.
- **Reflect on** contemporary issues and controversies in sociology, and advance sociological research through their own creative engagement with social theories and methods.
- **Explore** the theoretical and methodological perspectives in a chosen specialty area to elaborate the historical development and contemporary manifestation of social inequalities.
- **Advance** critical research and writing skills for professional development and civic engagement such that graduate students will deepen their professional commitment to community.

Anthropology (ANTHRO) Courses

- 103 Introduction To Cultural Anthropology (3)
- 202R Social Organization (3)
- 300CL Cluster Course: Introduction To Women'S Studies (3)
- 300R Special Topics In Anthropology (1-3)
- 302 Social Stratification (3)
- 314 Anthropology Of Women (3)
- 322 Race And Ethnic Relations (3)
- 324 Diversity And You (3)
- 325 The Imagery Of The American Indian In Film (0-1)
- 327 Us Government's Indian Policies: Practices Of A Colonizing Nation (0-1)
- 328 Anthropology Of The Body (3)
- 329 The Imagery Of The American Indian In Film (0-1)
- 331 Urban Anthropology (3)
- 339 American Indian Leaders: Past And Present (0-1)
- 343 Societies And Cultures Of Latin America (3)
- 346 Cultures Of The African Diaspora (3)
- 347 The American Indian Image: Stereotype Vs. Reality (0-1)
- 352 Multicultural Women's Histories In The U.S. (1)
- 353 Women, Class, And Ethnicity In The U.S. (1)
- 354 Women's Lives In The Global Economy (1)
- 355 The United Nations' Womens Conferences (1)
- 356 Cross-Cultural Gender Conceptions (1)
- 414 Feminist Theories (3)
- 441 Developing Countries (3)

Sociology (SOC) Courses

- 101 Sociology: An Introduction (3)
- 103 Introduction To Cultural Anthropology (3)
- 201 Introduction To Social Psychology (3)
- 202R Social Organization (3)
- 203 Contemporary American Issues (3)
- 211 Social And Psychological Development Through The Life Cycle (3)
- 300CF Special Topics in Sociology (1-3)
- 300R Special Topics In Sociology (1-3)
- 300RD Special Topics In Sociology (1-3)
- 302 Social Stratification (3)
- 303 Cluster Course: Interdisciplinary Studies (3)
- 303CA Cluster Course: Perspectives In Science And Healing (3)
- 303CF Cluster Course: African And African American Women And Creativity (3)
- 303CO Cluster Course: Issues In Death And Dying (3)
- 303CP Cluster Course: Religion In America (3)
- 303CT Cluster Course: Healing And Cultural Diversity (3)
- 303CW Cluster Course: Introduction To Women's Studies (3)
- 310R Families And The Life Course (3)
- 313R Sociology Of Women (3)
- 314 Anthropology Of Women (3)
- 316 Sociology Of Death And Dying (3)
- 317 Policies Of Drug Use And Control (3)
- 318 Sociology Of The Aging Woman (3)
- 319 Theoretical Criminology (3)
- 320 Social Deviance (3)
- 322 Race And Ethnic Relations (3)
- 324 Diversity And You (3)
- 325 The Imagery Of The American Indian In Film (0-1)
- 327 Us Government's Indian Policies: Practices Of A Colonizing Nation (0-1)
- 328 Anthropology Of The Body (3)
- 329 The Imagery Of The American Indian In Film (0-1)
- 331 Urban Anthropology (3)
- 332 Sociology Of Political Life (3)
- 335R Introduction To Social Work: Principles And Practice (3)
- 336 Society And Community Service (3)
- 337 Community Development In Urban America (3)
- 339 American Indian Leaders: Past And Present (0-1)
- 343 Societies And Cultures Of Latin America (3)
- 346 Cultures Of The African Diaspora (3)
- 347 The American Indian Image: Stereotype Vs. Reality (0-1)

- 351 Gender, Work And Social Change (3)
- 352 Multicultural Women's Histories In The U.S. (1)
- 353 Women, Class, And Ethnicity In The U.S. (1)
- 354 Women's Lives In The Global Economy (1)
- 355 The United Nations' Womens Conferences (1)
- 356 Cross-Cultural Gender Conceptions (1)
- 361 Social Theory (3)
- 362 Methods Of Sociological Research (3)
- 363 Introduction To Statistics In Sociology/Criminal Justice (3)
- 372 Introduction To The Sociology Of Religion (3)
- 390R Directed Field Experience I (1-6)
- 390RA Directed Field Experience I (1-6)
- 391 Directed Field Experience II (1-6)
- 397 Independent Readings In Sociology (1-3)
- 398 Independent Research In Sociology (1-6)
- 404WI The Sociology Capstone: Senior Seminar (3)
- 410R Aging In Contemporary Society (3)
- 411 Sociology Of Human Sexuality (3)
- 416 Aging And Developmental Disabilities (2)
- 417 Practicum In Aging And Developmental Disabilities (1)
- 418 Feminist Theories (3)
- 420 Control Of Crime And Delinquency (3)
- 421 Criminal Behavior In The United States (3)
- 424 The Death Penalty In America (3)
- 430R Complex Organizations (3)
- 431 Social Organization Of The City (3)
- 439 Social Meanings Of Illness, Suffering And Healing (3)
- 440R Sociology Of Medicine (3)
- 441 Developing Countries (3)
- 470 Colloquium: Law And Social Structure (3)
- 486 Methods Of Program Evaluation (3)

Application Procedures

Applicants for the spring semester must submit all materials by November 1, and those applying for fall semester admission must have materials submitted by March 1, or February 15 to be considered for graduate teaching or research assistantships. For an application to be processed, the following information must be submitted:

1. An application for admission to UMKC, http://www.umkc.edu/admissions.
2. All undergraduate transcripts.
3. Three letters of recommendation, preferably from former instructors.
4. A statement of one to three pages concerning your goals for graduate study, the nature of your interest in sociology, any past experiences relevant to this choice, and your future plans.

All application materials should be submitted to the university's Office of Admissions.

In addition, we strongly encourage a personal interview with the principal graduate adviser or other appropriate department faculty.

Career Implications of the M.A. in Sociology

Some M.A. recipients go directly into teaching at the community college or high school level. Others enter the corporate, nonprofit and government worlds in areas such as directors of research, policy analysis, consulting, human resource management and program management. Some may become a director in a social service agency. For outstanding students, the M.A. is preparation for doctoral level studies.

M.A. Degree Requirements

All graduate students are required to take the following courses which should be taken early in the program:

Required Courses:		Hours
SOC 5501	Social Theory I	3
SOC 5502	Social Theory II	3
SOC 5510	Sociological Research Methods I	3
SOC 5511	Sociological Research Methods II	3
SOC 5516	Intermediate Statistics	3

Other degree requirements include:

1. Students may choose the remainder of their coursework from the electives at the 5500 level offered in the department and from graduate courses offered in other departments (maximum of six credit hours) with the approval of the principal graduate adviser, and from 400-level courses within the department (maximum of six credit hours). In no case can more than three one-credit courses be part of the program of study.
2. Students are expected to earn a GPA of 3.0 or above in the core courses and an overall GPA of 3.0. Those who do not meet this requirement will be subject to review by the departmental graduate standards committee. Students who do not perform at a satisfactory level can be placed on probation or terminated from the program.
3. Students must choose either the thesis or the comprehensive exam option (described below), and complete the 30 credit hours of graduate coursework required for the degree option chosen.
4. Students must complete at least three credit hours of graduate work each semester (fall and spring) to maintain their standing in the program.
5. Students also must comply with all applicable general graduate academic requirements as listed in the School of Graduate Studies section of this catalog.
6. A program of study should be filed by the midpoint of the student's coursework. This should be completed in consultation with the principal graduate adviser or the student's committee chair. However, the plan of study can be modified during the coursework.

Degree Options

Students may complete the M.A. requirements in sociology through either 1) the thesis option, or 2) the comprehensive exam option. We advise students who are considering pursuing doctoral studies at any time in the future, or working in a field where they will need research expertise, to take the thesis option. Students pursuing either option will form an advisory committee composed of at least three graduate faculty members.

Thesis Option

The requirements for this option are 30 credit hours of graduate coursework. Three to six credits of the 30 hours are received for the master's thesis and independent readings. An oral defense of the thesis is required. Students who aspire to further study at the doctoral level should select the thesis option.

Comprehensive Exam Option

This option requires 30 hours of graduate coursework. After completion of all coursework, a comprehensive exam must be passed in the areas of sociological theory, research methods and statistics, and a substantive area of the student's choice.

INTERDISCIPLINARY PH.D. PROGRAM

Sociology is currently participating in UMKC's Interdisciplinary Ph.D. program as a co-discipline. Students interested in this study should review the School of Graduate Studies section of this catalog for general and discipline-specific admission criteria, academic regulations and degree requirements. Additional information may be found at the department's Web site (http://cas.umkc.edu/soc). Interested persons may also contact the department's doctoral program adviser at (816) 235-**2529**.

Theatre

DEPARTMENT OF THEATRE

5319 Holmes Street
(816) 235-**2702**
Fax: (816) 235-**6552**
theatre@umkc.edu
http://cas.umkc.edu/theatre

Mailing Address

University of Missouri - Kansas City
Department of Theatre
James C. Olson Performing Arts Center, Room 404
Honorary Patricia McIlrath Street
4949 Cherry Street
Kansas City, MO 64110-2229

Department Chair:
Tom Mardikes
Curators' Professor:
Felicia Londré
Hall Family Foundation Professors:
John Ezell, Jennifer Martin
The Patricia McIlrath Endowed Professor in Theatre Arts in Acting:
Theodore Swetz
Professor of Theatre Arts:
Barry Kyle
Associate Professors:
Lindsay Davis, Tom Mardikes (chair), Ronald Schaeffer, Victor Tan
Assistant Professors:
Erika Bailey, Gene Friedman, Chuck Hayes, Gary Holcombe, Stephanie Roberts
Visiting Professor:
Ricardo Khan (director, new project development)
Visiting Assistant Professors:
Don Hovis, Carla Noack, Sarah M. Oliver
Adjunct Professor:
Patricia A. McCorkle
Adjunct Associate Professor:
Jeff Dreisbach
Instructor:
Greg Mackender
Professors Emeriti:
Jacques Burdick, Cal Pritner, Douglas Taylor
Associate Professor Emeritus:
Vincent Scassellati

- Department Description
- Student Learning Outcomes
- Master of Arts
- Master of Fine Arts: Acting
  - Retention
- Master of Fine Arts: Design and Technology
- Assistantships
- Theatre Courses

DEPARTMENT DESCRIPTION

The Department of Theatre offers the following degrees:

- Bachelor of Arts.
- Master of Arts centered in theatre history and dramatic literature or playwriting and dramaturgy.
- Master of Fine Arts in acting or design and technology.

The department has a unique mandate. It is the only department in the state system of Missouri empowered to grant the M.F.A. degree in theatre, the terminal degree for candidates preparing for a career in the professional theatre. Accordingly, the main thrust of the department is its master of fine arts programs that prepare professional actors, designers and technicians for the regional repertory and commercial production companies of the United States. Training in the master of fine arts programs is performance and production oriented. The unique arrangement by which the Department of Theatre and the Kansas City Repertory Theatre coexist, interact and support each other while using the same facilities provides ideal opportunities for the candidates.

A training ensemble of experienced professionals is maintained to teach the classes and address candidates' needs. In addition to the regular faculty, guest directors and visiting teachers are brought in from the professional world outside and from the ranks of the Kansas City Repertory Theatre to enhance training opportunities. Accreditation is by the National Association of Schools of Theater. The Department also is a member of the University/Resident Theatre Association.

ASSISTANTSHIPS

Graduate assistantships are available in the following areas: acting, costume, lighting, stage management, scene shop carpentry, scene painting, sound, property construction, house management, technical direction, publicity and departmental assistance with THEAT 130 Foundations of Fine Arts: Theater.

THEATRE COURSES

- 5500RA Theatre Collaboration (1-2)
- 5501R Voice Training (2)
- 5506RR French Drama And Theatre (3)
- 5507 19Th-Century Continental Theatre (3)
- 5508 20Th-Century Continental Theatre (3)
- 5509 Russian Drama And Theatre (3)
- 5510 History Of The American Theatre I (3)
- 5511 History Of The American Theatre II (3)
- 5512R History Of The English Stage I (3)
- 5513 History Of The English Stage II (3)
- 5514 History of Design And Technology I (3)
- 5515R History of Design And Technology II (3)
- 5516A Technical Production for The Practitioner (3)
- 5516B Technical Production for The Practitioner (3)
- 5520 Individual Performance Studies (1-2)
- 5520L Individual Performance Studies (1-2)
- 5521A Professional Sound Design (3)
- 5521B Professional Sound Design (3)
- 5521C Professional Sound Design (3)
- 5521D Professional Sound Design (3)
- 5530 Drafting for The Theatre (3)
- 5531R Rendering Techniques for the Theatre Designer II (3)
- 5532 Professional Costume Design (3)
- 5534 Costume Construction I (3)
- 5535 Technical Studies In Costuming And Makeup (3)
- 5536 Professional Scene Design (3)
- 5538 Scene Painting (3)
- 5539 Scene Painting II (3)
- 5540 Pattern Drafting And Cutting (3)
- 5545 Professional Acting Techniques I (3)
- 5546 Professional Acting Techniques II (3)
- 5547 Professional Acting Techniques III (3)
- 5548 Professional Acting Techniques Iv (3)
- 5549 Master Class In Acting (2)
- 5551 Rendering Techniques for the Theatre Designer III (3)
- 5552R Rendering Techniques for the Theatre Designer Iv (3)
- 5557 Theatre History I (3)
- 5560 Theatre History II (3)
- 5562 Actor Practicum (3)
- 5563 Text Analysis I (3)
- 5564 Text Analysis II (3)
- 5565 Introduction To Professional Directing (3)
- 5567 Professional Directing Practicum (3)
- 5568 Seminar In Dramaturgy (3)
- 5569 Master Class in Directing (2)
- 5570 Professional Lighting Design (3)
- 5572 Stage Lighting Equipment (2)
- 5573 Professional Technical Production (3)
- 5574 Theatre Regulations, Laws and Safety (1)
- 5575R Property Construction (3)
- 5577 Advanced Materials (3)
- 5578 Professional Theatre Administration (3)
- 5579R Master Class In Design (2)
- 5580R Graduate Technical Student Seminar (2)
- 5583 Seminar on Technical Production Management (2)
- 5584 Master Class In Technology (2)
- 5585 Advanced Technical Drafting (3)
- 5586 Structural Design for the Stage (3)
- 5590 Directed Graduate Studies (3-6)
- 5590A Directed Graduate Studies (3-6)
- 5590B Directed Graduate Studies: Design (3-6)
- 5590C Directed Graduate Studies: Costumes (3-6)
- 5590D Directed Graduate Studies: Scenic Design (3-6)
- 5590E Directed Graduate Studies: Directing (3-6)
- 5590F Directed Graduate Studies (3-6)
- 5590G Directed Graduate Studies: Lighting (3-6)
- 5590H Directed Graduate Studies: Playwriting (3-6)
- 5590I Directed Graduate Studies (3-6)
- 5590J Directed Graduate Studies: Stage Management (3-6)
- 5590K Directed Graduate Studies: Technical Production (3-6)
- 5590L Directed Graduate Studies: Theatre Management (3-6)
- 5590M Directed Graduate Studies: Theory And Criticism (3-6)
- 5590N Directed Graduate Studies: Dramaturgy (3-6)
- 5590R Directed Graduate Studies (3-6)
- 5590S Directed Graduate Studies (3-6)
- 5590T Directed Graduate Studies (3-6)
- 5592A Seminar on Stage Management Practice (1)
- 5592B Seminar on Stage Management Practice (1)
- 5592C Seminar on Stage Management Practice (1)
- 5592D Seminar on Stage Management Practice (1)
- 5592E Seminar on Stage Management Practice (1)
- 5597 Repertory Theatre: Internship (3-6)
- 5598R Research And Performance (1-6)
- 5599 Research And Thesis (1-6)
- 5697 Repertory Theatre: Residency (6)
- 5899 Required Graduate Enrollment (1)

Biological Sciences, School of

SCHOOL OF BIOLOGICAL SCIENCES

Biological Sciences Building, Room 114
5007 Rockhill Road
(816) 235-**5246**
Fax: (816) 235-**5158**
(816) 235-**2352** (Graduate Programs)
sbs-grad@umkc.edu (Graduate Programs)
http://sbs.umkc.edu

Mailing Address
University of Missouri-Kansas City
School of Biological Sciences
5100 Rockhill Road
Kansas City, MO 64110-2499

Dean:
Lawrence A. Dreyfus
Graduate Programs Officer:
Karen Bame
Director of Curriculum:
Lynda S. Plamann
Interim Head, Division of Cell Biology and Biophysics:
G. Sullivan Read
Head, Division of Molecular Biology and Biochemistry:
Henry M. Miziorko

- History and Description of School
- Graduate Programs
  - Graduate Admissions
  - Advising
  - Laboratories
  - Organizations and Activities
  - Requirements for Retention
  - Master of Science in Cellular and Molecular Biology
    - Emphasis in Bioinformatics
  - Master of Arts in Biology
  - Doctor of Philosophy Study
- Courses
  - Biology (BIOL)
  - Life Sciences (LS)
  - Life Sciences - Cell Biology and Biophysics (LSCBB)
  - Life Sciences - Molecular Biology and Biochemistry (LSMBB)

History and Description of School

The School of Biological Sciences was established (originally as the School of Basic Life Sciences) in 1985. The School's vision is "to better the quality of life through excellence in education and research." This vision is realized through the provision of quality education at the undergraduate and graduate levels, the expansion of knowledge through scientific research, and the application of scientific information for the advancement of human welfare. The School has been designated as an eminence program by the curators of the University of Missouri, and as such is a unit targeted for expansion and development.

Research by faculty, as well as graduate and undergraduate students, is focused on cellular and molecular aspects of modern biology, with emphases in molecular genetics, cell biology and structural biology. Advances in these areas will provide fundamental knowledge for biotechnology, molecular medicine, environmental remediation and computational biology. Students are encouraged to gain hands-on research experience, involving them in the process of creating knowledge and equipping them to shape the future.

Quality curriculum combined with research-active faculty and state-of-the-art equipment, provide students with an outstanding opportunity to expand critical thinking and problem solving skills while developing an in-depth understanding of the molecular, cellular, and genetic foundations of biological sciences.

Graduate Programs

The School of Biological Sciences offers programs of study leading to a master of science degree in cellular and molecular biology. In addition, a master of arts degree in biology is offered. The school participates in UMKC's Interdisciplinary Ph.D. program in Cell Biology/Biophysics and Molecular Biology/Biochemistry.

Graduates with research experience in cell biology and biophysics or molecular biology and biochemistry may enter careers in many areas, including biotechnology, pharmaceutics, academia or governmental research involving the environment, agriculture, energy, defense or health.

Graduate Admissions

Admission to the school's graduate programs is competitive and students are encouraged to apply early. Applications are reviewed by an admissions committee that evaluates students on the basis of past performance and evidence of ability to pursue graduate studies successfully. The school admits students to its doctoral and master's degree programs throughout the year; however, early application (by Feb. 15) is advised to receive consideration for assistantships and other financial support.

Information on admission to master's or Ph.D. degree programs may be found at the Graduate Programs Web site at http://www.umkc.edu/sbs/graduate, in the Graduate Academic Regulations and Information section of this catalog, by e-mail to sbs-grad@umkc.edu, or by writing to our graduate programs office at the mailing address at the beginning of this section.

Graduate teaching assistantships, graduate research assistantships and fellowships are available through the school and are awarded on a competitive basis. Currently, all fully admitted, full-time doctoral students receive financial support.

To be eligible for admission to the School of Biological Sciences' graduate programs, the applicant must:

- Possess a bachelor's degree in biological sciences or a related field with a minimum of 120 credit hours, or possess an advanced degree in a health sciences field.
- Have an undergraduate GPA of at least 3.0.
- Have sufficient background coursework to undertake graduate studies in biological sciences.
- Have acceptable scores in the Graduate Record Examination aptitude tests.
- Submit three letters of recommendation from individuals familiar with the student's academic performance and scientific abilities.

Students may be admitted with certain deficiencies, with the stipulation that these can be removed early in the course of study.

Advising

New students will be advised by the principal graduate adviser until they have selected their permanent research adviser. The graduate programs office will contact students in advance of their first semester for information about advising and registration.

Students are responsible for becoming familiar with all academic regulations of the campus as outlined in the catalog and in other University documents.

LABORATORIES

The School of Biological Sciences has modern, well-equipped laboratories organized into the following divisions:

Division of Cell Biology and Biophysics

This division houses the laboratories of anatomy, biophysics, developmental biology, cell biology, microbiology, neurobiology, structural biology and virology.

Division of Molecular Biology and Biochemistry

This division houses the laboratories of biochemistry, genetics, genetic engineering, membrane biochemistry, molecular biology, macromolecular structure, neurophysiology and cellular and molecular physiology.

ORGANIZATIONS AND ACTIVITIES

A campuswide biological sciences seminar program is organized and administered by the school. Throughout the year, weekly advanced research seminars are held, featuring presentations by nationally recognized visiting scientists and campus faculty.

The School of Biological Sciences has both graduate and undergraduate student organizations that meet periodically for scientific discussions and social events.

REQUIREMENTS FOR RETENTION

General requirements for retention of graduate students are described in the Graduate Academic Regulations and Information section of this catalog. For all graduate students, a 3.0 (B) GPA is required for satisfactory progress. No F grades are permitted.

Any doctoral student who receives more than one C grade in a basic course will be dropped from the doctoral program.

Any master's student who receives more than two C grades or more than one C and one D grade in graduate courses will be dropped from the program.

BIOLOGY (BIOL)

- 5519 Principles Of Evolution (3)
- 5525 Bioinformatics And Data Analysis (3)
- 5534 Cardiovascular Pulmonary Physiology (3)
- 5539 Mammalian Physiology (4)
- 5542 Neurobiology (3)
- 5591 Directed Individual Studies (1-6)
- 5592 Master Of Arts Topics In Biology (1-6)
- 5593 Master Of Science Topics (1-4)
- 5899 Required Graduate Enrollment (1)

LIFE SCIENCES (LS)

- 5899 Required Graduate Enrollment (1)

LIFE SCIENCES - CELL BIOLOGY AND BIOPHYSICS (LSCBB)

- 5501 Graduate Biophysical Principles (3)
- 5504 Graduate Virology (3)
- 5505 Molecular And Cellular Neurobiology (3)
- 5520 Cell and Molecular Biology II (3)
- 5530 Cell and Molecular Biology I (3)
- 5538 Molecular Recognition In Cellular Biology (2)
- 5566 Membrane Biochemistry And Biophysics (3)
- 5569 Structural Biology, Methods And Strategies (3)
- 5583 Current Topics In Cell Biology And Biophysics (1-3)
- 5591 Directed Individual Studies In Cell Biology And Biophysics (1-6)
- 5596 Advanced Experimental Cell Biology I (2)
- 5597 Advanced Experimental Cell Biology II (2)
- 5599 Thesis Research In Cell Biology And Biophysics (1-12)
- 5612 Seminar In Cell Biology And Biophysics (1)
- 5690 Analytical Methods In Cell Biology And Biophysics (1-4)
- 5699 Dissertation Research In Cell Biology And Biophysics (1-12)

LIFE SCIENCES - MOLECULAR BIOLOGY AND BIOCHEMISTRY (LSMBB)

- 5503 Eukaryotic Molecular Biology (3)
- 5509 Graduate Developmental Biology (3)
- 5538 Molecular Recognition In Molecular Biology (2)
- 5561 General Biochemistry I (4)
- 5562 General Biochemistry II (4)
- 5565 Structure And Function Of Proteins (3)
- 5567 Physical Biochemistry (3)
- 5569 Current Topics In Molecular Biology And Biochemistry (1-3)
- 5591 Directed Individual Studies In Molecular Biology And Biochemistry (1-6)
- 5596 Advanced Experimental Molecular Biology I (2)
- 5597 Advanced Experimental Molecular Biology II (2)
- 5599 Thesis Research In Molecular Biology And Biochemistry (1-12)
- 5611 Seminar In Molecular Biology And Biochemistry (1)
- 5690 Analytical Methods In Molecular Biology And Biochemistry (1-4)
- 5699 Dissertation Research In Molecular Biology And Biochemistry (1-12)

Business and Public Administration, Henry W. Bloch School of

HENRY W. BLOCH SCHOOL OF BUSINESS AND PUBLIC ADMINISTRATION

Bloch School
5110 Cherry Street
(816) 235-**2215**
bloch@umkc.edu
http://www.bloch.umkc.edu/

Mailing Address
University of Missouri-Kansas City
Henry W. Bloch School of Business and
Public Administration
5100 Rockhill Road
Kansas City, MO 64110-2499

Interim Dean:
Lee Bolman
Associate Dean for Academic Affairs:
Lanny Solomon
Assistant Dean for Student Services:
Kami Thomas
Interim Chair, Department of Accountancy:
Lavern (Howie) Krueger
Chair, Department of Finance, Information Management & Strategy:
Marilyn Taylor
Chair, Department of Organizational Behavior, Leadership & Marketing:
Rajinder Arora
Chair, Department of Public Affairs:
David Renz
Director, Executive MBA Program:
Joan Gallos
Coordinator, Doctoral Studies in Public Affairs and Administration:
Nicholas Peroff
Coordinator, Doctoral Studies in Entrepreneurship and Innovation:
Mark Parry

- Introduction
- Graduate Programs
  - Student Learning Outcomes
  - Master of Business Administration
  - Master of Public Administration
  - Master of Science in Accounting
- Doctor of Philosophy
- Courses
  - Accounting (ACTG)
  - Business Administration (BA)
  - Business Decision Sciences (BDS)
  - Business Information Systems (BIS)
  - Business Management and Administration (BMA)
  - Entrepreneurship (ENT)
  - Health Administration (HA)
  - Public Administration (PA)

INTRODUCTION

Degree Programs

The Bloch School offers the degrees of bachelor of business administration (B.B.A.), bachelor of science in accounting (B.S. in accounting), master of business administration (MBA), master of public administration (M.P.A.) and the master of science in accounting (M.S. in accounting). Within the MBA program there is an Executive MBA (EMBA) offering. Additionally, the School has two joint degree programs with the UMKC School of Law, the J.D./MBA and the J.D./M.P.A. degrees, and also participates in the Interdisciplinary Ph.D. program. For those students who are enrolled in non-business undergraduate degree programs at UMKC, the Bloch School offers a business minor.

History

The University has offered business courses since 1933. In 1953, with the support and encouragement of the Kansas City community, the School of Business Administration was established. Since that time, the Bloch School has grown to a student body of 1,500 and a faculty of approximately 45 professional educators. In January 1988, the School was renamed for Henry W. Bloch, co-founder of H&R Block, and moved into a newly expanded building.

Mission

The Henry W. Bloch School of Business and Public Administration supports the mission of the University of Missouri-Kansas City and provides high quality professional education for a changing world.

The Bloch School offers undergraduate, graduate, executive and other outreach programs responsive to business and community needs. These programs are delivered through a curriculum combining a solid preparation in basic management functions with the skills of leadership, entrepreneurship, strategic decision-making and an understanding of the technological and global environment. The School's faculty is committed to teaching, scholarship and service, and to continuously improving a learning environment that brings discipline to the real-world challenges of management practice.

Accreditation

The Bloch School is accredited by AACSB International - The Association to Advance Collegiate Schools of Business and by the National Association of Schools of Public Affairs and Administration (NASPAA).

Advising and Student Services

Staff in the Student Services Office, room 115 of the Bloch School, assist students in applying for admission, planning programs and registering for courses. Advising

information can be found at http://www.bloch.umkc.edu/current-students/student-services/advising/index.aspx. Faculty of the School's four curricular departments are also available to discuss students' programs.

Scholarships

The Bloch School offers numerous scholarships for students enrolled in Bloch degree programs. Information and applications are available on the Bloch School Web site at http://www.bloch.umkc.edu/current-students/bloch-scholarships/index.aspx. February 1 is the deadline for the majority of these scholarships, which are awarded for the following academic year. For information on loans, grants and other financial aid, contact the UMKC Student Financial Aid and Scholarships Office.

Internships

Students who want to experience work opportunities while in school are encouraged to take their learning beyond the classroom through internships. For-credit internships typically carry one to three hours of credit. To earn academic credit, students should identify a Bloch School faculty member qualified and willing to supervise an internship, complete an internship form available on the Bloch School Web site at http://www.bloch.umkc.edu/current-students/student-services/forms/index.aspx and enroll in an approved internship course. Interested students may contact the UMKC Career Services Office or refer to the Bloch School Career Launcher for more details about internship opportunities.

International Study Abroad

Bloch School students have the opportunity to study abroad for credit. Students may study for a semester, an academic year or in a special summer program at business schools in Europe and other parts of the world. The Bloch School maintains bilateral exchange agreements with business schools in the United Kingdom, France, Germany, Mexico and Spain. Students who are interested in study abroad opportunities should contact the Bloch School Student Services Office, the Bloch School Center for International Business or the UMKC Center for International Academic Programs.

Student Organizations

Beta Alpha Psi

UMKC's Epsilon Delta chapter of Beta Alpha Psi, the national scholastic and professional accounting fraternity, provides opportunities for self-development and association among student members, practicing accountants and accounting faculty. Activities include technical programs presented by members and professionals, tutoring, taxpayer assistance, field trips and social events.

Bloch School Student Association

The Bloch School Student Association (BSSA) elects a board of directors to represent the student body on various campus and school administrative committees and sponsors a number of activities and events.

Entrepreneurship and Innovation Club

The Ei Club facilitates the growth of entrepreneurship and innovation across the entire UMKC campus and the Kansas City metropolitan area. The club offers networking opportunities with business leaders, entrepreneurs, inventors and academics, seminars and lunches with successful entrepreneurs, training in public speaking, internship opportunities, advising in entrepreneurship and innovation and the opportunity to compete in the Institute for Entrepreneurship and Innovation's annual business plan competition.

Delta Sigma Pi

Delta Sigma Pi, the nation's largest professional business fraternity, is open to students interested in all fields of business. Through professional speakers and seminars, developmental workshops and interactive social events with business leaders, faculty members and prominent alumni, the fraternity provides students an excellent opportunity to explore the business environment while still concentrating on academics.

Financial Management Association

The Financial Management Association serves as a medium for students to become acquainted with finance practitioners and their activities. FMA also highlights what the industry expects from new graduates and how students can best prepare themselves to become successful professionals in today's job market.

Students in Free Enterprise

SIFE is one of the largest student organizations in the world with teams on more than 1,600 college and university campuses in the United States and in more than 40 countries throughout the world. Working together as a team, SIFE students apply their classroom experiences to develop and implement educational outreach programs that educate individuals in their communities about the principles of market economics, success skills, entrepreneurship, financial literacy and business ethics. At the end of the year, teams present their year's efforts and compete at regional competitions, with the winners going on to national and international competitions.

Honor Societies

Beta Gamma Sigma is a national honor society for students in business administration and accounting, including students, faculty, members of the administrative staff, alumni and honorary members. Membership is by election from graduate students in the upper 20 percent of their graduating class, with a minimum 3.5 GPA , and seniors in the top 10 percent of their graduating class. Invitations are extended to qualified students each spring.

Pi Alpha Alpha is a national honor society that recognizes and honors students with high academic achievement in public affairs. Students who have a GPA of at least 3.7 for a minimum of 18 semester hours toward the M.P.A. are eligible for membership. Invitations are extended to qualified students each spring.

Special Programs and Centers

Center for International Business

Bloch School
5110 Cherry St.
http://www.bloch.umkc.edu/centers-institutes/center-for-international-business/index.aspx

The Center for International Business at the Bloch School promotes and supports academic study and research in international business. The objectives of the Center include: (1) developing and maintaining international course offerings that support the curricula for the B.B.A., MBA and the EMBA programs; (2) promoting and supporting Bloch School faculty and student involvement in academic exchange programs with international partner business schools throughout the world; (3) maintaining the International Business Information Research Directory (IBIRD) with Web site links to important country and subject information sources and (4) engaging in liaison and outreach activities with UMKC and Kansas City organizations involved in international activities.

Cookingham Institute of Urban Affairs

Bloch School

5110 Cherry St.

(816) 235-2894

http://www.bloch.umkc.edu/centers-institutes/lpcookingham/index.aspx

The Cookingham Institute promotes community building and development as a means to contribute to urban area revitalization through scholarship, practice, and community involvement. Students become engaged in applied, interdisciplinary research and work with government, business, and nonprofit entities, as the Institute partners with national organizations to bring cutting edge practices to Kansas City. Cookingham also contributes to community dialogue through Institute grants, contracts, and a variety of other means.

Institute for Entrepreneurship and Innovation

Bloch School
4747 Troost Ave.
(816) 235-**6200**
http://www.entrepreneurship.bloch.umkc.edu/

The mission of the Institute for Entrepreneurship and Innovation (IEI) at UMKC is to inspire, nurture and empower students across all disciplines to become entrepreneurs and innovators. World-class faculty at the cutting edge of researching, creating and disseminating knowledge in entrepreneurship drive the development of the curriculum and the students' educational experience. IEI's goal is that experiential learning will be the basis for all Institute programs, beginning with the Entrepreneurship and Innovation Boot Camp (ENT 5515: Introduction to Entrepreneurship) and carrying through to the development of commercial ventures in the Enterprise Development Laboratory.

KCSourceLink

Bloch School
The Institute for Entrepreneurship and Innovation
4747 Troost Ave.
(816) 235-**6500**
http://kcsourcelink.com

KCSourceLink connects a network of more than 140 resource providers in the Kansas City region that offer business-building services for small business success. Its mission is to help small business grow and prosper by providing business owners easy access to needed services. Aspiring and existing business owners are referred to the appropriate resource through the hotline number and Web site.

Lewis White Real Estate Center

Bloch School

5110 Cherry St.

The Lewis White Real Estate Center (LWREC) is a comprehensive center that focuses on educating the next generation of real estate leaders in Kansas City and beyond, conducting state-of-the-art research in the field of real estate and providing an educational resource for the community. This newly established center will assist the Bloch School faculty in producing students at both the graduate and undergraduate levels who are qualified to fill entry level and leadership positions in the real estate industry. Additionally, the LWREC strives to better understand the financial risks and rewards of real estate development, particularly in an urban context, as well as the relationship between public policy and urban development.

Midwest Center for Nonprofit Leadership

Bloch School
5110 Cherry St.
(816) 235-**2305**
www.mcnl.org

The Midwest Center for Nonprofit Leadership is the Bloch School's education and outreach center dedicated to building the capacity of nonprofit public service organizations in the Midwest. The Center's mission is to enhance the performance and effectiveness of nonprofit organizations and their leaders through high quality, community-oriented education, research and facilitation services. Center faculty, fellows and students support nonprofit organizations as educators, advisers and facilitators in areas such as governing board development, management development, strategic planning, strategic organizational and financial management, and the leadership of major change initiatives. The Center also operates a Nonprofit Resource Center that is open to students and all members of the community.

UMKC Small Business and Technology Development Center

Bloch School
The Institute for Entrepreneurship and Innovation
4747 Troost Ave.
(816) 235-**6063**
http://www.bloch.umkc.edu/sbdc

The Missouri Small Business Development Centers, a partner with the University of Missouri Extension business development programs, educate individuals to successfully start, run and grow small and entrepreneurial businesses that build a viable economic base, improve lives and enhance communities. The SBTDC provides counseling in topics such as business plan development, financial management, marketing and more. Training programs include start-up, business plans, accounting, cash flow, management and marketing. Information and technology resources include computerized patent, trademark and copyright searches; exporting leads; product design, testing and quality control; manufacturing studies; and plant layout. The SBTDC helps both established businesses and those that are just beginning.

Missouri and Heartland Procurement Technical Assistance Centers

Bloch School
The Institute for Entrepreneurship and Innovation
4747 Troost Ave.
(816) 235-**2891**
http://www.moptac.net
http://www.heartlandptac.org

The work of PTAC nationwide is to provide businesses with the marketing know-how and technical tools they need to obtain and perform successfully under federal, state and local government contracts. PTAC consultants match government agencies that need products to the companies that can deliver them and assist the company with bidding and contracting. The consultants also help with government registrations and certifications.

GRADUATE PROGRAMS

Admission Requirements

Admission to Bloch School graduate programs is based on evaluation of qualifications. Applicants to the MBA and M.S. in accounting programs are considered for admission based on their scores on the Graduate Management Admission Test (GMAT), undergraduate grade-point averages and other criteria established by the faculty. Applicants to the Executive MBA (EMBA) program are considered for admission based on educational record and career history, quality and length of professional and managerial experience, strength of required personal interview and one written essay, two references and support of employer. A GMAT score is not required for application to the EMBA program, but may be requested by faculty. Applicants to the M.P.A. program are considered for admission on the basis of undergraduate grade-point average and Graduate Record Examination (GRE) scores (verbal and quantitative sections). The emphasis in health services administration in the M.P.A. program has additional admission requirements. Application materials describing these requirements can be found on the Bloch School Web site at http://www.bloch.umkc.edu

Most classes are offered on weekday evenings. Selected courses may be offered in an intensive weekend format. EMBA courses are offered on alternating weekends.

Retention and Graduation Requirements for Graduate Students

All students enrolled in any of the Bloch School graduate programs (MBA, EMBA, M.S. in accounting and M.P.A.) must maintain a minimum 3.0 grade-point average (GPA) in all courses for which graduate credit is given. Students with GPAs that fall below the minimum 3.0 are placed on probation and are allowed two successive semesters (including the summer semester, if enrolled) to restore their GPAs to the required 3.0 level. No course with a grade below B- (2.7), in any 300- or 400-level course, or below C (2.0) in any 5000-level course or above, will count toward any advanced degree program; however, the grade will be included in the calculation of the student's GPA. Eighty percent of the credits for the degree must be passed with a grade of B (3.0) or better.

An official program of study must be filed with the Bloch School Student Services Office once an emphasis area has been declared. For the M.P.A. program, this must occur once a student has reached 18 hours. This form constitutes a contract and must be signed by the student, faculty adviser and department chair. Any changes to the program must be approved on a new form by the same three individuals.

Students are responsible for ensuring their course of study falls within the program guidelines. Students should contact the Bloch School Student Services Office for any updates to policies and program requirements. Updates to the programs can also be found on the Bloch School Web site at http://www.bloch.umkc.edu.

All students must file an application for graduation and program of study by the announced campus deadline during the student's last semester in the program (students are encouraged to submit these forms earlier if possible). This application and the program of study must be filed in order to obtain the degree. Both documents can be found on the Bloch School Web site at http://www.bloch.umkc.edu/current-students/student-services/forms/index.aspx.

Thesis

A thesis is not required, but may be desirable for any student with future interest in pursuing a doctoral degree. Any student wishing to prepare a thesis should consult a faculty adviser. Students may obtain a maximum of six hours of credit.

Transfer Credit

Students may transfer up to 20 percent of the graduate credit hours required for their program (for the MBA and M.S. in accounting, this applies only to courses beyond the core and is limited to six hours). Coursework must be from an accredited institution, with a grade of B or better, and appropriate to the student's program. Also, the coursework must have been completed within seven years of completion of all requirements for the degree. Evaluation of transfer credit is done by faculty and requires documentation provided by the student.

Independent Study

Students are limited to a total of nine hours of BA 5595, BA 5597, BMA 5597, ENT 5591, ENT 5597, HA 5586, PA 5563, PA 5572, PA 5593, PA 5598, ACTG 5595, and/or ACTG 5597, to include no more than six hours of independent study/internship and no more than three hours of any one practicum, including the small business practicum. For the M.P.A. program, students are limited to a total of six hours, of which three credit hours can be an internship. Interested students should consult with an adviser in the Bloch School Student Services Office.

ACCOUNTING (ACTG)

- 5517 Survey Of Accounting (3)
- 5539 Accounting Information Systems For Management Planning & Control (2)
- 5556 Cost Management (3)
- 5557 Introduction To Income Taxation (3)
- 5558 Financial Accounting Theory (3)
- 5559 Advanced Financial Accounting Theory (3)
- 5560 Introduction To Auditing And Accounting Systems (3)
- 5561 Personal Financial Planning (3)
- 5562 Financial Statement Analysis (3)
- 5565 Advanced Accounting Systems (3)
- 5567 Information Systems Control And Audit (3)
- 5569 Information Systems Consulting (3)
- 5571 Individual Tax Problems (3)
- 5572 Tax Theory And Business Applications (3)
- 5573 Taxation Of Estates, Gifts, And Trusts (3)
- 5574 Tax Accounting (3)
- 5575 Managerial Accounting: Issues, Tools And Analysis (3)
- 5576 Tax Research, Procedure And Practice (3)
- 5577 Advanced Auditing (3)
- 5578 Current Problems In Accounting (3)
- 5579 Theory Of Income Determination (3)
- 5580 Financial Reporting Systems (2)
- 5595 Internship (1)
- 5597 Special Topics In Accounting (1-3)
- 5597A Special Topics In Accounting:Financial Accounting Theory (1-3)
- 5597B Special Topics In Accounting:Cost/Managerial Accounting Theory (1-3)
- 5597C Special Topics In Accounting:Taxation (1-3)
- 5597D Special Topics In Accounting:Auditing (1-3)
- 5597E Special Topics In Accounting:Accounting Systems (1-3)
- 5597F Special Topics In Accounting:Other Topics (1-3)
- 5597G Special Topics In Accounting:Personal Financial Planning (1-3)

BUSINESS ADMINISTRATION (BA)

- 5501 Economics For Administration (3)
- 5503 Economic Analysis For Management (3)
- 5504 Advanced Organizational Finance (2)
- 5508 Financial Decisions And Societal Goals (0.5)
- 5515 Managerial Economics (0-2)
- 5519 Operations Management (3)
- 5531 Marketing (3)
- 5532 Financial Management (3)
- 5539 Management In Direct Marketing (3)
- 5540 Service Operations Management (3)
- 5541 Total Quality Management (3)
- 5542 Erp-Enterprise Resource Planning Systems (3)
- 5543 Project Management (3)
- 5544 Erp-Supply Chain And Logistics Management (3)
- 5547 Contemporary Issues In Operations Management (3)
- 5550 Advanced Financial Management Theory And Policies (3)
- 5551 International Financial Management (3)
- 5552 Financial Markets And Institutions (3)
- 5553 Investment Analysis (3)

- 5556 Management Of Financial Intermediaries (3)
- 5557 Derivative Securities (3)
- 5558 Risk Management And Insurance (3)
- 5559 Strategic Financial Management (3)
- 5560 Buyer Behavior (3)
- 5561 Promotional Strategies In Marketing (3)
- 5562 Marketing Research (3)
- 5563 Direct Marketing Theory (3)
- 5565 Marketing Management (2)
- 5566 Operations Management For World Class (0-2)
- 5568 Organizational Finance (0-2)
- 5570 Policy And Administration (3)
- 5573 Business Strategy Overview (0.5)
- 5575 Advanced Marketing Strategy (3)
- 5576 Stategic Marketing (0-2)
- 5580 Seminar In Finance (3)
- 5595 Internship (1-3)
- 5597 Independent Research In Business Administration (1-6)
- 5599 Thesis (1-9)
- 5899 Required Graduate Enrollment (1)

Business Decision Sciences (BDS)

- 5501E Introduction To Management Science (1-3)
- 5508 Statistical Analysis In Business (3)
- 5509 Applied Statistical Methods (2)
- 5510 Decison Making With Uncertainty (0.5)
- 5512 Statistical Quality Control (3)
- 5520 Sampling And Experimental Design (3)
- 5528 Decision Support And Expert Systems (3)
- 5530 Decision Analysis And Modeling With Spreadsheets (3)
- 5545 Forecasting Theory And Applications (3)
- 5548 Multivariate Statistical Methods (3)
- 5581 Seminar In Quantitative Research Methods (3)
- 5681 Multivariate Statistical Methods-Ii (3)

Business Information Systems (BIS)

- 5502 Management Information Systems (3)
- 5529 Decision Support Systems (3)
- 5552 Data Base Management (3)
- 5554 Systems Analysis, Design And Engineering (3)
- 5556 Distributed Information Technology (3)
- 5558 Management And Economics Of Computing (3)
- 5569 Infromation Systems Consulting (3)
- 5580 Seminar In Information Systems (3)

Business Management and Administration (BMA)

- 5504 International Management (3)
- 5505 Organizational Behavior (3)
- 5506 Contract Negotiation And Dispute Resolution (3)
- 5508 Law Of Business Associations (3)
- 5510 Legal And International Environment Of Business (3)
- 5513 Economic Policy And Managerial Control (3)
- 5516 Leading Teams (3)
- 5533 Leadership And Change In Organizations (3)
- 5536 Strategic Management (3)
- 5537 Competitive Strategies (3)
- 5546 Successful E-Commerce Strategies (3)
- 5550 The Operation Of International Business (3)
- 5555 International Marketing (3)
- 5557 Leadership And Organizations (2)
- 5560 Strategic Human Resources (3)
- 5566 Strategic Staffing (3)
- 5567 Total Rewards Management (3)
- 5577 Team And Community Building (0.5)
- 5580 Seminar In Organizational Behavior (3)
- 5582 Managing People For Strategy Execution (0-2)
- 5583 Leading With Integrity (3)
- 5587 Seminar In Management And Administration A To G (1-6)
- 5587D Seminar In Organizational Behavior (1-6)
- 5588 Power,Influence,And Negotiation (2)
- 5589 Strategic Management I (1)
- 5597 Independent Research (1-6)
- 5599 Thesis (1-9)

Entrepreneurship (ENT)

- 5515 Entrepreneurship Boot Camp (3)
- 5525 Entrepreneurship: Managing Creativity And Innovation (3)
- 5535 Small Business Management And Entrepreneurship (3)
- 5541 Personal Entrepreneurial Strategy (3)
- 5542 Technology And New Ventures (Tnv)I (3)
- 5543 Technology And New Ventures (Tnv)Ii (3)
- 5545 Entrepreneurship And New Venture Creation (3)
- 5545E Innovation And Entrepreneurship I (3)
- 5545IE Innovation And Entrepreneurship (3)
- 5585 Venture Capital Finance And Investment (3)

- 5587 Seminar In Entrepreneurship (1-6)
- 5587F Seminar In Entrepreneurship (1-6)
- 5591 Small Business Management Practicum (3)
- 5597 Independent Research (3)
- 5681 Multivariate Statistical Methods-Ii (3)
- 5682 Structural Equation Modeling (3)
- 5683 Mathematical Models For Entrepreneurship (3)
- 5691 Doctoral Seminar In Theoretical Foundations Of Entrepreneurship I (3)
- 5692 Doctoral Seminar In Theoretical Foundations Entrepreneurship II (3)
- 5693 Technology, Innovation, And Entrepreneurship (3)
- 5694 Doctoral Seminar In Theories Of The Fim And Strategy (3)

HEALTH ADMINISTRATION (HA)

- 5571 Financial Management Issues Health & Human Services Organizations (3)
- 5575 Long-Term Care Policy & Administration (3)
- 5576 Managed Care Institutions (3)
- 5577 Health Service Administration And The Health Professions (3)
- 5578 The Evaluation And Control Of Health Services (3)
- 5585 Seminar In Health Services Administration (3)
- 5585A Seminar In Health Services Administration (3)
- 5586 Supervised Research In Health Services Administration (3)

PUBLIC ADMINISTRATION (PA)

- 5509 Government Contracting (3)
- 5510 Research Methods In Public Administration (3)
- 5524 Public Policy Context for Business Decisions (2)
- 5525 Financial Accountability And Policy Development (3)
- 5526 The Politics Of Administration (3)
- 5530 Capstone Seminar In Public Administration (3)
- 5535 Urban Policy And Administration (3)
- 5536 Managing Urban Economic Development (3)
- 5539 Urban And Regional Planning For Urban Administrators (3)
- 5544 Program Evaluation And Analysis (3)
- 5548 Leadership For Public Service (3)
- 5551 Strategic Management In Nonprofit Organizations (3)
- 5552 Community Organizations And Public Policy (3)
- 5553 Legal Framework & Financial Management Of Nonprofit Organizations (3)
- 5555 Topics In Nonprofit Fundraising (1-3)
- 5555A Top In Nnprft Fndrsng: Organizing For Successful Fund Raising (1-3)
- 5555B Top In Nnprft Fndrsng: Creatng & Implemntng Annual Devlpmnt Plan (1-3)
- 5555C Top In Nnprft Fndrsng: Dirct Mrkting & Dirct Mail In Fund Raisng (1-3)
- 5555D Top In Nnprft Fndrsng: Planned Giving & Major Gift Solicitation (1-3)
- 5555E Top In Nnprft Fndrsng: Cntmprary Trnds/Ethcl Issues In Fund Rsng (1-3)
- 5555F Top In Nnprft Fndrsng: Prospect Research And Proposal Writing (1-3)
- 5555G Topics In Nonprofit Fundraising (1-3)
- 5556 Innovation In Nonprofit Management And Leadership (3)
- 5565 Topics In Urban Administration (1-3)
- 5565A Community Economic Development:The Planning Context (1)
- 5565B Community Economic Development Tools & Techniques (1)
- 5565C Implementing Effective Community Economic Development (1)
- 5570 Diversity In The Workplace (3)
- 5581 Seminar In Urban Administration (3)
- 5585 Seminar In Public Affairs (3)
- 5585A Seminar In Public Affairs (3)
- 5585B Seminar In Public Affairs (3)
- 5585C Seminar In Public Affairs (3)
- 5593 Internship Seminar (3-6)
- 5598 Supervised Research (1-6)
- 5598A Supervised Research: Nonprofit Management (1-6)
- 5598B Supervised Research: Public Works Administration (1-6)
- 5598C Supervised Research: Urban Administration (1-6)
- 5598D Supervised Research: Public Management (1-6)
- 5598E Supervised Research: International Management (1-6)
- 5598F Supervised Research: Public Financial Administration (1-6)
- 5598G Supervised Research: Unspecified (1-6)
- 5599 Thesis (1-9)
- 5610 Inquiry In Public Administration And Affairs (3)
- 5620 Literature Of Public Affairs And Administration (3-6)
- 5620A Literature Of Public Affairs And Administration:Political Science (3-6)
- 5620B Literature Of Public Affairs And Admin:Org Theory & Behavior (3-6)
- 5630 Learning In Public Affairs And Administration (3)
- 5631 Teaching In Public Affairs And Administration (3)
- 5650 Advanced Research In Public Affairs And Administration (3)
- 5699 Dissertation And Research In Public Affairs And Administration (1-12)
- 5899 Required Graduate Enrollment (1)

Computing and Engineering, School of

COMPUTING AND ENGINEERING, SCHOOL OF

Robert H. Flarsheim Science and Technology Hall
5110 Rockhill Road, Room 534
(816) 235-**2399**
Fax: (816) 235-**5159**
sce@umkc.edu

http://www.sce.umkc.edu/

Mailing Address
University of Missouri-Kansas City
School of Computing and Engineering
534 Flarsheim Hall
5100 Rockhill Road
Kansas City, MO 64110-2499

Dean:
Kevin Z. Truman

Department of Civil and Mechanical Engineering:
Chair:
Mark McClernon
352 Flarsheim Hall
(816) 235-**5550**
http://www.sce.umkc.edu/cme/cme.shtml

Department of Computer Science Electrical Engineering:
Chair:
Appie van de Liefvoort
546 Flarsheim Hall
(816) 235-**1193**
http://www.csee.umkc.edu/

- Description
- Financial Assistance
- Graduate Assistantships
- Departments and Programs
  - Civil and Mechanical Engineering
  - Computer Science Electrical Engineering

DESCRIPTION

History

The University has offered engineering degree coursework since 1956. Increased technology demands during the mid-80s, combined with a generous gift from Sprint, led to the development of UMKC's high-tech Computer Science and Telecommunications Program in 1984. These disciplines were combined in 2001 to form the School of Computing and Engineering (SCE).

Mission

The mission of the School of Computing and Engineering is to provide competitive educational opportunities and focused research in computing and engineering generating the technical work force and research needed for economic development.

Departments and Degree Programs

The School of Computing and Engineering has two departments:

- Civil and Mechanical Engineering
- Computer Science Electrical Engineering

Each department offers undergraduate and graduate degrees. The Civil and Mechanical Engineering Department offers B.S. in Civil Engineering, B.S. in Mechanical Engineering, M.S. in Civil Engineering, and M.S. in Mechanical Engineering. The Computer Science Electrical Engineering Department offers B.A./B.S. in Computer Science, B.S. in Electrical & Computer Engineering, Bachelor of Information Technology (B.I.T), M.S. in Computer Science, and M.S. in Electrical Engineering.

The School also participates in UMKC's Interdisciplinary Ph.D. program through four disciplines. Students interested in pursuing a doctoral degree in civil or mechanical engineering may select engineering as a discipline. The three other disciplines housed in SCE are computer science, electrical and computer engineering, and telecommunications and computer networking. (See the School of Graduate Studies section of this catalog for details about the Interdisciplinary Ph.D. Program)

FINANCIAL ASSISTANCE

The University has a number of financial programs, scholarships and awards for the benefit of our students, see http://www.sfa.umkc.edu/site for opportunities available to all UMKC students. Opportunities specifically for undergraduate SCE students include a number of scholarships (see the section below). The following are available to first-time degree applicants to UMKC:

- The Chancellor's Nonresident Award (CNR) is available to new SCE domestic students who must pay non-resident tuition.
- The Dean's International Award for Computing and Engineering (DICE) is available to new SCE international students.

Both CNR and DICE awards are decided at the same time that the admission decision is made and no specific application form is required. The CNR and DICE are competitive awards and awarded only to the best qualified applicants. The amount of the CNR award is the Nonresident Fee Differential (up to 9 hours per semester for graduate students, 12 hours for undergraduate students), and the amount of the DICE award is maximally 85% of the Nonresident Fee Differential, depending on the student's qualification. Both the CNR and DICE are renewable if minimum grade-point averages are maintained of 3.00 for undergraduates and 3.50 for graduate students.

GRADUATE ASSISTANTSHIPS

Each department also has a limited number of graduate assistantships available each semester.

Research Assistantships are available through various faculty conducting funded research, and information on these can be obtained from individual faculty. Most faculty with funded research programs will award research assistantships to students they have been able to observe in class room performance.

A limited number of teaching assistantships are available to fully-enrolled graduate students who have successfully passed the school's verbal and comprehensive exams.

Typically, awards are for quarter-time, three-eights, or half-time support, and may include tuition fee waivers. Priority will be given to students with excellent communication skills and to students in the Interdisciplinary Ph.D. program. International students who wish to be considered for a Graduate Assistantship must pass a SPEAK test, administered at UMKC's Applied Language Institute and can not be considered for a teaching assistantship during their first semester of enrolment. Furthermore, they may be asked to present a simulated lecture that will be videotaped for review. Students must apply for these opportunities by sending their application materials to the Department of Civil and Mechanical Engineering (alberts@umkc.edu) or to the Department of Computer Science Electrical Engineering (griffiths@umkc.edu).

ACADEMIC DISHONESTY

A student enrolling in any UMKC course is expected to exhibit high standards of academic honesty in all works, and are expected to refrain from cheating and plagiarism. Rules governing any suspected violation are clearly spelled out elsewhere in the UMKC catalog (www.umkc.edu/umkc/catalog/html/append/policy/0040.html.) Instructors are obligated to report any cases of alleged academic dishonesty, and any violation will result in sanctions being imposed on the student, ranging from a warning, probation, loss of financial aid, loss of privileges, suspension, and dismissal. Please note that both receiving and giving unauthorized assistance is considered academically dishonest.

Department of Civil and Mechancial Engineering

DEPARTMENT OF CIVIL AND MECHANICAL ENGINEERING

Robert H. Flarsheim Science and Technology Hall
5110 Rockhill Road, Room 352
(816) 235-**5550**
Fax: (816) 235-**1260**
cme@umkc.edu
http://www.sce.umkc.edu/cme/cme.shtml

Mailing Address
University of Missouri-Kansas City
Civil and Mechanical Engineering Department
352 Flarsheim Hall
5100 Rockhill Road
Kansas City, MO 64110-2499

Department Chair:
Mark F. McClernon

Professors:
Bryan R. Becker, Kevin Z. Truman (dean)
Associate Professors:
Mark F. McClernon (department chair and director of mechanical engineering), Deborah J. O'Bannon, Jerry R. Richardson
Assistant Professors:
Brian A. Fricke, Trent M. Guess, Ceki Halmen, John Kevern, Greg King, Pei-Wei Lin, Ganesh Thiagarajan
Assistant Teaching Professor:
Katherine H. Bloemker
Adjunct Faculty:
Lee Azimi Zonooz, Max Bona, Mike Carlson, David Christianson, Larry Drbal, Bob Hanlin, Steve Hague, Mike Kelly, Bob Lambrechts, Forrest G. Lowe, Dan Justice, Thomas Kimes, Jim Mahoney, Pete Scheuer, Walter Rychlewski, Scott Yerganian
Professors Emeriti:
C. Quinton Bowles, George F.W. Hauck, Rudolph L. Leutzinger Sr., Donald R. Smith, William E. Stewart Jr.

- Civil Engineering
  - Program Description
  - Career Opportunities
- Master of Science in Civil Engineering
  - Admission
  - Assistantships
  - Graduate Degree Options and Requirements
  - Transfer Credits
  - Civil Engineering Specialty Areas
  - Advising and Registration
  - Academic Standing
  - Graduation
  - Fast Track Civil Engineering Program
- Doctoral Studies in Civil Engineering
- Mechanical Engineering
  - Program Description
  - Career Opportunities
- Master of Science in Mechanical Engineering
  - Admission
  - Assistantships
  - Graduate Degree Options and Requirements
  - Transfer Credits
  - Mechanical Engineering Specialty Areas
  - Advising and Registration
  - Academic Standing
  - Graduation
  - Fast Track Mechanical Engineering Program
- Doctoral Studies in Mechanical Engineering
- Courses
  - Civil Engineering (CE)
  - Mechanical Engineering (ME)

CIVIL ENGINEERING

The American Society of Civil Engineers (ASCE) defines civil engineering as "the profession in which a knowledge of the mathematical and physical sciences gained by study, experience and practice is applied with judgment to develop ways to utilize economically, the materials and forces of nature for the progressive well-being of humanity in creating, improving and protecting the environment, in providing facilities for community living, industry and transportation and in providing structures for the use of humankind". The CE program aims to prepare students with a breadth and depth in the technical knowledge so that they can work immediately in most areas of the profession including geotechnical engineering; hydraulics, hydrology, water resources; structural engineering; and transportation/traffic engineering.

PROGRAM DESCRIPTION

The program offers the bachelor's degree and the master's degree in civil engineering and participates in the UMKC Interdisciplinary Ph.D. program. The Bachelor of Science in Civil Engineering is accredited by the Engineering Accreditation Commission of

ABET
111 Market Place, suite 1050

Baltimore, MD 21202-4012
(410) 347-7700
http://www.abet.org

The Master of Science in Civil Engineering has both thesis and non-thesis options. Students interested in pursuing a doctoral degree in civil engineering may select engineering as a discipline when applying for admission into the Interdisciplinary Ph.D. program.

To accommodate part-time and working students, most of the undergraduate classes are conducted in the afternoons and graduate classes are conducted in the evenings.

The civil engineering program has a rich history in Kansas City. The University of Kansas City offered a General Engineering degree in the 1950s. The master's program in civil engineering was started in 1964 and later the undergraduate program was added in the early 1970s Since 1977, the undergraduate program in civil engineering has been independently accredited by ABET. The program became a part of the School of Computing and Engineering (SCE) in January 2001 and is housed in Flarsheim Hall.

Career Opportunities

Kansas City is one of the premier centers of engineering design in the country. Numerous civil infrastructure design and construction firms with national and international reputation are headquartered in Kansas City. This offers a unique opportunity to our students, many of whom participate actively as interns or as employees with these firms during the course of their study, thereby, getting a balanced blend of course work and practical experience.

Job opportunities abound for engineering majors. In terms of starting salaries and the number of job offers, engineering graduates compare favorably with all other graduates. In addition, the civil engineering curriculum at UMKC equips the graduate with the analytic decision-making skills necessary to pursue diverse technical, managerial and entrepreneurial career opportunities.

Master of Science in Civil Engineering

The civil engineering program offers graduate students an opportunity to get a state-of-the-art education in dynamic, challenging and professionally significant specialty areas. Master's students are allowed to take up to half of their credits in other fields, such as management, geosciences etc., to encourage them to broaden their education beyond the civil engineering field. To accommodate part-time and working students, graduate classes are conducted in the evenings. There are three degree options for earning a master's in civil engineering: coursework only, project or thesis options. For further information call (816) 235-**5550** or e-mail sce@umkc.edu.

Admission

A baccalaureate degree in civil engineering or related disciplines with GPA of at least 3.0 in the last 60 hours of undergraduate engineering coursework is required. Pre-program requirements may be specified in case the Bachelor's degree is in a discipline different than that to which the candidate is applying.

The following documents are required for admission consideration:

1. Application for admission.
2. Official transcripts of all college coursework.
3. TOEFL score (for international students only). A minimum test score of 550 is needed for acceptance in any graduate engineering program.
4. Three letters of recommendation from professors at previous institutions or mentors at work.
5. Official results of the Graduate Record Exam (GRE) are required for all applicants. A cumulative score of at least 1600 (verbal + quantitative + analytical) with 85 percent on the quantitative portion is required. GRE requirements may be waived for applicants with a baccalaureate from an ABET accredited program who have passed the Fundamentals of Engineering (FE) exam and have work experience.

Conditional admission may be granted when the minimum GPA and GRE requirements are not met but other indicators promise applicant's success in the program. To be fully admitted as a regular master's degree seeking student, the candidate must obtain a grade of "B" or better in the first nine hours of coursework and submit a satisfactory GRE score within the first semester of their program.

International Students

International student apply using the international application form and return the application, along with required supporting materials, to the University of Missouri-Kansas City, Office of International Student Affairs.

Assistantships

The school has numerous assistantship positions available each semester. Typically awards are for quarter-time or half-time support, and may include tuition fee waivers.

Transfer Credits

- With permission of the student's graduate adviser, up to six credit hours of transfer graduate coursework may be transferred from other non-University of Missouri institutions.
- With permission of the student's graduate adviser, up to 14 credit hours of transfer graduate coursework may be transferred from other University of Missouri institutions.
- However, at least 16 credit hours of graduate coursework must be taken at UMKC.

Civil Engineering Specialty Areas

Research and study are available in the following specialties:

- Construction engineering
- Environmental engineering
- Geotechnical engineering
- Hydraulics and hydrology
- Materials engineering
- Structural engineering
- Transportation engineering

Construction Engineering

Advising and Registration

The civil engineering program assigns a faculty member to be the student's academic adviser throughout the duration of their study. Students are required to meet with their faculty adviser every semester prior to registering for the following semester. The faculty adviser guides the student in selecting courses that are necessary for the completion of the degree requirements and answers questions regarding elective course programs and options. During the advising period, the faculty adviser determines whether the student is meeting degree requirements by reviewing the program advisement form. Any deviations by a student are corrected immediately. Specific information regarding registration is found in the UMKC Class Schedule and on the UMKC Web site.

ACADEMIC STANDING

A graduate student must maintain a cumulative GPA of 3.0 for all graduate coursework taken during the course of graduate studies. Should the cumulative GPA fall below 3.0, the student will be placed on probation. A student on probation must bring the cumulative GPA to a 3.0 by the end of the next semester or face possible dismissal.

GRADUATION

Students should apply for graduation when they register for their final semester of coursework. All students must complete and file with the Department Office both the UMKC Application for Graduation form and the Departmental Program of Study form. Students selecting the *project* or *thesis* option must also file a Departmental Report of the Master's Examining Committee form. Students selecting the *thesis* option must file a Master's Thesis Report form and have their thesis approved by the UMKC Graduate School.

FAST TRACK CIVIL ENGINEERING PROGRAM

See the Fast Track section under Civil Engineering in the undergraduate catalog for information about the Fast Track Civil Engineering Program.

DOCTORAL STUDIES IN CIVIL ENGINEERING

Civil Engineering participates in the Interdisciplinary Ph.D. program of the University of Missouri-Kansas City as part of the engineering discipline. Students interested in pursuing a doctoral degree in civil engineering may select engineering as a discipline when applying for admission into the Interdisciplinary Ph.D. Program. See the School of Graduate Studies section of this catalog for general and discipline-specific admission requirements and regulations for Interdisciplinary Ph.D. study with engineering as one of the desired disciplines.

MECHANICAL ENGINEERING

Mechanical engineering (ME) is one of the broadest of the engineering disciplines, therefore, mechanical engineers are the generalists of the engineering profession. Mechanical engineers design, construct, test and operate many types of mechanical, thermal and biological devices. They are involved in almost every industry, including aerospace, automotive, bioengineering, communications, electronics, energy, food processing, HVAC, manufacturing, power generation and refrigeration, as well as business, government and academia. The ME program aims to prepare students with a breadth and depth in technical knowledge so that they can work immediately in most areas of the profession.

PROGRAM DESCRIPTION

The program offers the bachelor's degree and the master's degree in mechanical engineering and participates in the UMKC Interdisciplinary Ph.D. program. The Bachelor of Science in Mechanical Engineering is accredited by the Engineering Accreditation Commission of

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The Master of Science in Mechanical Engineering has both thesis and non-thesis options. Students interested in pursuing a doctoral degree in mechanical engineering may select engineering as a discipline when applying for admission into the Interdisciplinary Ph.D. program.

To accommodate part-time and working students, most of the undergraduate classes are conducted in the afternoons and graduate classes are conducted in the evenings.

The mechanical engineering program has a rich history in Kansas City. The University of Kansas City offered a General Engineering degree in the 1950s. The master's program in mechanical engineering was started in 1964 and later the undergraduate program was added in the early 1970s. Since 1977 the undergraduate program in mechanical engineering has been independently accredited by ABET. The program became a part of the School of Computing and Engineering (SCE) in January 2001 and is housed in Flarsheim Hall.

CAREER OPPORTUNITIES

Kansas City is one of the premier engineering centers in the country. Numerous engineering and manufacturing firms with national and international reputation are headquartered in Kansas City. This offers a unique opportunity to our students, many of whom participate actively as interns or as employees with these firms during the course of their study, thereby getting a balanced blend of coursework and practical experience.

Job opportunities abound for engineering majors. In terms of starting salaries and the number of job offers, engineering graduates compare favorably with all other graduates. In addition, the mechanical engineering curriculum at UMKC equips the graduate with the analytic decision-making skills necessary to pursue diverse technical, managerial and entrepreneurial career opportunities.

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

The mechanical engineering program offers graduate students an opportunity to get a state-of-the-art education in dynamic, challenging and professionally significant specialty areas. Master's students are allowed to take up to half of their credits in other fields, such as management, mathematics, etc., to encourage them to broaden their education beyond the mechanical engineering field. To accommodate part-time and working students, graduate classes are conducted in the evenings. There are three degree options for earning a master's in mechanical engineering: coursework only, project or thesis options. For further information call (816) 235-**5550** or e-mail sce@umkc.edu.

ADMISSION

A baccalaureate degree in mechanical engineering or related disciplines with a GPA of at least 3.0 in the last 60 hours of undergraduate engineering coursework is required. Pre-program requirements may be specified in case the Bachelor's degree is in a discipline different than that to which the candidate is applying.

The following documents are required for admission consideration:

1. Application for admission.
2. Official transcripts of all college coursework.
3. TOEFL score (for international students only). A minimum test score of 550 is needed for acceptance in any graduate engineering program.
4. Three letters of recommendation from professors at previous institutions or mentors at work.
5. Official results of the Graduate Record Exam (GRE) are required for all applicants. A cumulative score of at least 1600 (verbal + quantitative + analytical) with 85 percent on the quantitative portion is required. GRE requirements may be waived for applicants with a baccalaureate from an ABET accredited program who have passed the Fundamentals of Engineering (FE) exam and have work experience.

Conditional admission may be granted when the minimum GPA and GRE requirements are not met, however, other indicators promise applicant's success in the program. To be fully admitted as a regular master's degree seeking student, the candidate must obtain a grade of "B" or better in the first nine hours of coursework and submit a

satisfactory GRE score within the first semester of their program.

International Students

Use the international application form and return the application, along with required supporting materials, to the University of Missouri-Kansas City, Office of International Student Affairs.

ASSISTANTSHIPS

The school has numerous assistantship positions available each semester. Typically awards are for quarter-time or half-time support, and may include tuition fee waivers.

TRANSFER CREDITS

- With permission of the student's graduate adviser, up to six credit hours of transfer graduate coursework may be transferred from other non-University of Missouri institutions.
- With permission of the student's graduate adviser, up to 14 credit hours of transfer graduate coursework may be transferred from other University of Missouri institutions.
- However, at least 16 credit hours of graduate coursework must be taken at UMKC.

MECHANICAL ENGINEERING SPECIALTY AREAS

Research and study are available in the following specialties:

- Biomaterials
- Biomechanics
- Biothermics
- Dynamics and controls
- Energy systems
- Fluid dynamics
- Heat transfer
- Manufacturing
- Material science

ADVISING AND REGISTRATION

The mechanical engineering program assigns a faculty member to be the student's academic adviser throughout the duration of their study. Students are required to meet with their faculty adviser every semester prior to registering for the following semester. The faculty adviser guides the student in selecting courses that are necessary for the completion of the degree requirements and answers questions regarding elective course programs and options. During the advising period, the faculty adviser determines whether the student is meeting degree requirements by reviewing the program advisement form. Any deviations by a student are corrected immediately. Specific information regarding registration is found in the UMKC Class Schedule and on the UMKC Web site.

ACADEMIC STANDING

A graduate student must maintain a cumulative GPA of 3.0 for all graduate coursework taken during the course of graduate studies. Should the cumulative GPA fall below 3.0, the student will be placed on probation. A student on probation must bring the cumulative GPA to a 3.0 by the end of the next semester or face possible dismissal.

GRADUATION

Students should apply for graduation when they register for their final semester of coursework. All students must complete and file with the Department Office both the UMKC Application for Graduation form and the Departmental Program of Study form. Students selecting the *project* or *thesis* option must also file a Departmental Report of the Master's Examining Committee form. Furthermore, students selecting the *thesis* option must file a Master's Thesis Report form and have their thesis approved by the UMKC Graduate School.

FAST TRACK MECHANICAL ENGINEERING PROGRAM

See the Fast Track section under Mechanical Engineering in the undergraduate catalog for information about the Fast Track Mechanical Engineering Program.

DOCTORAL STUDIES IN MECHANICAL ENGINEERING

Mechanical Engineering participates in the Interdisciplinary Ph.D. program of the University of Missouri-Kansas City as part of the engineering discipline. Students interested in pursuing a doctoral degree in mechanical engineering may select engineering as a discipline when applying for admission into the Interdisciplinary Ph.D. Program. See the School of Graduate Studies section of this catalog for general and discipline-specific admission requirements and regulations for Interdisciplinary Ph.D. study with engineering as one of the desired disciplines.

CIVIL ENGINEERING (CE)

- 5500 Problems (1-6)
- 5501 Advanced Topics In Civil Engineering (1-3)
- 5501L Advanced Topics In Civil Engineering (1-3)
- 5525 Advanced Reinforced Concrete Design (3)
- 5536 Advanced Soil Mechanics (3)
- 5544 Unit process Laboratory for Water and Wastewater Treatment (3)
- 5545 Environmental Engineering Microbiology (3)
- 5546 Limnology (3)
- 5552 Hydraulics of Open Channels (3)
- 5553 Hydraulics and Variability of Rivers (3)
- 5554 River Stability and Scour (3)
- 5555 Highway Hydraulics and Sediment Transport (3)
- 5582 Advanced Traffic Engineering (3)
- 5599 Thesis Research (1-6)
- 5601 Doctoral Topics In Civil Engineering (1-3)
- 5601B Advanced Topics In Civil Engineering (1-3)
- 5601X Advanced Topics In Civil Engineering (1-3)
- 5602 Directed Reading In Civil Engineering (1-3)

- 5607 Numerical Methods In Engineering (3)
- 5621 Continuum Mechanics (3)
- 5622 Theory Of Elasticity (3)
- 5623 Theory Of Plates And Shells (3)
- 5624 Theory Of Elastic Stability (3)
- 5645 Water Quality Modeling (3)
- 5646 Physiochemical Treatment Processes (3)
- 5647 Biochemical Treatment Processes (3)
- 5648 Environmental Engineering Practicum (3)
- 5649 Design Of Water And Wastewater Treatment Facilities (3)
- 5651 Fundamentals Of Fluid Mechanics (3)
- 5656 Advanced Hydraulic Engineering (3)
- 5676 Finite Element Methods (3)
- 5679 Dynamics Of Structures (3)
- 5699 Research And Dissertation (1-9)

MECHANICAL ENGINEERING (ME)

- 5500 Problems (1-6)
- 5501 Advanced Topics In Mechanical Engineering (3)
- 5501E Advanced Topics In Mechanical Engineering (3)
- 5501F Advanced Topics In Mechanical Engineering (3)
- 5501G Advanced Topics In Mechanical Engineering (3)
- 5501H Advanced Topics In Mechanical Engineering (3)
- 5501HP Advanced Topics In Mechanical Engineering (3)
- 5501L Advanced Topics In Mechanical Engineering (3)
- 5501M Advanced Topics In Mechanical Engineering (3)
- 5501N Advanced Topics In Mechanical Engineering (3)
- 5501P Advanced Topics In Mechanical Engineering (3)
- 5501PL Advanced Topics In Mechanical Engineering (3)
- 5501R Advanced Topics In Mechanical Engineering (3)
- 5501T Advanced Topics In Mechanical Engineering (1-3)
- 5504 Advanced Metallurgy Principles (3)
- 5505 Imaging Techniques In Materials Science (3)
- 5533 Statistical Thermodynamics (3)
- 5534 Fracture Mechanics I (3)
- 5535 Heat Transfer-Conduction (3)
- 5542 Introduction To Computational Fluid Dynamics And Heat Transfer (3)
- 5545 Instrumentation Theory (3)
- 5558 Dynamical Theory (3)
- 5595 Microscale Heat Transfer (3)
- 5599 Research (1-99)
- 5601 Doctoral Topics In Mechanical Engineering (3)
- 5601A Doctoral Topics In Mechanical Engineering (3)
- 5601C Doctoral Topics In Mechanical Engineering (3)
- 5601E Doctoral Topics in Mechanical Engineering (3)
- 5601G Doctoral Topics In Mechanical Engineering (3)
- 5601R Doctoral Topics In Mechanical Engineering (3)
- 5601S Doctoral Topics In Mechanical Engineering (3)
- 5601SA Doctoral Topics In Mechanical Engineering (3)
- 5603 Directed Readings In Mechanical Engineering (3)
- 5610 Seminar (1)
- 5616 Theory Of Plasticity (3)
- 5618 Advanced Dynamics (3)
- 5621 Continuum Mechanics (3)
- 5622 Theory Of Elasticity (3)
- 5623 Theory Of Plates And Shells (3)
- 5624 Theory Of Elastic Stability (3)
- 5627 Dynamics Of Machinery (3)
- 5630 Boundary Layer Theory (3)
- 5636 Heat Transfer-Convection (3)
- 5637 Heat Transfer-Radiation (3)
- 5638 Introduction To Turbulence (3)
- 5639 Introduction To Two Phase Flow (3)
- 5644 Fracture And Fatigue Prevention In Engineering Practice (3)
- 5651 Computational Fluid Dynamics (3)
- 5660 Combustion (3)
- 5676 Finite Element Methods (3)
- 5679 Dynamics Of Structures (3)
- 5685 Advanced Vibration Analysis (3)
- 5699 Research And Dissertation (1-9)

Computer Science, Electrical Engineering and Information Technology

DEPARTMENT OF COMPUTER SCIENCE ELECTRICAL ENGINEERING

Robert H. Flarsheim Science and Technology Hall
5110 Rockhill Road, Room 546
(816) 235-**1193**
Fax: (816) 235-**5159**
csee@umkc.edu
http://www.csee.umkc.edu/

Mailing Address
University of Missouri-Kansas City
Department of Computer Science Electrical Engineering
546 Flarsheim Hall
5100 Rockhill Road
Kansas City, MO 64110-2499

Chair:

Appie van de Liefvoort

Associate Chair:
Ghulam M. Chaudhry

Curators' Professor:
Khosrow Sohraby (associate dean of research)

Professors:
Ghulam M. Chaudhry (associate chair), Lein Harn, Vijay Kumar, Deep Medhi, E.K. Park (currently on leave as program director at NSF), Xiaojun Shen, Appie van de Liefvoort (chair)

Research Professor:
Mary Lou Hines Fritts (CIO and vice provost for academic programs)

Professor Emeritus:
Richard Hetherington

Honorary Professor:
Wen Gao (Peking University, Beijing, China)

Associate Professors:
Cory Beard, Deb Chatterjee, Deendayal Dinakarpandian, Yijie Han, Jerome Knopp, Yugyung Lee, Ken Mitchell, Jerry Place (associate dean of academics)

Associate Teaching Professor:
Judy Mullins

Assistant Professors:
Baek-Young Choi, Reza Derakhshani, W. Daniel Léon-Salas, Praveen Rao, Yu-Ping Wang, Chuanjun Zhang

Assistant Professor Emeritus:
David Skitek

Visiting Assistant Professor:
Oleg Gusak

Assistant Teaching Professors:
Eddie Burris, Robert Cotter, Brian Hare, Mark Hieber, Kevin Kirkpatrick

Adjunct/Affiliate Faculty:
Charlie Bi (Children's Mercy Hospital), Mark Hoffman (Cerner), Jeff Rydberg-Cox (associate professor, English language and literature)

Adjunct Instructors:
Naveed Ahmed, Fred Granville, Reza Jafari, Mike Kelly, Kelly Kerns, Mark Lehnhof, Naresh Mathur, S. Sankar, Saul Spatz

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DESCRIPTION

The CSEE Department has about 28 full-time faculty members, including a Curators' professor, a UMKC Trustee's professor and two Fulbright Senior Specialists. Our faculty is at the forefront in research with funding from NSF and industries. We have strong partnerships with:

- Black & Veach
- Burns & McDonnell
- Cerner
- General Electric
- Honeywell
- Sprint Nextel

most of which are headquartered in the Kansas City area.

In the life sciences area, we are strenghtening partnerships with life and health sciences schools at UMKC and life sciences partners in the Kansas City area through the Kansas City Area Life Sciences Institute (KCALSI).

We have research strengths in the following areas:

- Networking and Telecommunications (design, protocols, routing, security, teletraffic modeling and analysis, monitoring, performance modeling, RF/wireless communication, optical, mobile computing, sensors, queueing theory, etc.).
- Software Engineering and Systems (object-oriented design and analysis, database/information management, middleware, intelligent agents, peer-to-peer computing, mobile databases, data mining, knowledge discovery, intrusion detection, etc.).
- Bio-Informatics (biological data mining, functional property based protein databases, intelligent software agents in biology, biometric signal processing, computational genomics, etc.).
- Communications, Signal and Image Processing (digital signal processing, computational electromagnetics, RF and antenna theory and design, biomedical image processing, biometrics, neural networks, etc.).
- Computer Engineering (VLSI and mixed-signals chip design, performance and design of low power devices (including memories), embedded systems, System-On-Chip (SOC) and ASIC/FPGA design).
- Algorithms (complexity, distributed and parallel computations, graph, optimization, and combinatorial algorithms).

The CSEE department is committed to excellence in teaching. We stay on the top of the technology curve and continually offer new courses in emerging/hot topics. Our graduates are sought after by regional as well as national companies.

Approximately 610 students were enrolled in the CSEE department in the Fall 2007 semester: 310 at the undergraduate level (all degree programs), 270 at the masters level (both CS and EE), and 35 students participated in UMKC's Interdisciplinary Ph.D. program through a discipline in CSEE.

STUDENT ORGANIZATIONS

The SCE **Student Council** addresses the need of the students within the School of Computing and Engineering. CSEE encourages every student to actively participate in a student organization that matches his or her interests. These organizations include:

ACM (Association for Computing Machinery) is the leading professional organization in Computer Science and its student chapter is very active. Among others, it sponsors and participates in numerous programming and web design contests.

AITP (Association of Information Technology Professionals) caters to the interest of both information technology students and business students. Their office is in the Henry W. Bloch School of Business and Public Administration.

IEEE is the Iworld's leading professional association for the advancement of technology. As such, many (if not most) Electrical and Computer engineering, computer scientists and information technology professionals are members of IEEE. Our student chapter, one of 452 branch chapters, won the prestigious *Region 5 RAB Student Branch Membership Growth and Leadership Award* in 2003, the *Region 5 Student Branch Web Site Contest* in 2005 and 2008, and was *Runner Up* in the *IEEE International Student Branch Web Site Contest*, also in 2005.

Eta Kappa Nu is the Honor Society in Electrical and Computer Engineering. The student chapter at UMKC, Theta Pi, was installed in 1980.

Upsilon Pi Epsilon is the International Honor Society for the computing and information discipline. A UPE student chapter was founded in 2004.

FINANCIAL ASSISTANCE

A variety of financial awards are available to our graduate students. The most common awards are the Chancellor's nonresident awards (CNR) and the Deans International Computing and Engineering awards (DICE). Both are awarded on a competitive basis to our best applicants only during initial enrollment. Graduate teaching and graduate research assistantships are also available; however they are usually not available to incoming master's level students in their first semester.

Scholarships and Awards

There are two types of scholarships and awards available to MS students. No special application form is required to be submitted; the graduate admission committee makes this decision based on the regular application material submitted by the applicants.

Domestic Students (CNR)

For U.S. citizens/permanent residents who are nonresidents of Missouri, a number of nonresident tuition waiver scholarships, known as the chancellor's nonresident (CNR) award, is available for our best applicants; the amount of this award is equal to the nonresident fee differential (currently valued at approximately $7,800 per year for students taking a full-time load each semester.) The CNR is renewable if a 3.50 GPA is maintained.

Domestic Students (GEM)

A qualified applicant can also apply for a fellowship through the GEM (the National Consortium for Graduate Degrees for Minorities in Engineering and Science) program, which is to U.S. citizens from underrepresented groups; our school is one of the selected schools certified by GEM. For additional information on GEM, go to http://www.gemfellowship.org/.

International Students (DICE)

For international students, the Dean's International Award for Computing and Engineering (DICE) is a competitive award available to the most qualified applicants. The amount of this new award is currently valued at up to $7,300 per year for students taking a full load each semester. This award is only for students newly admitted to SCE and is determined at the time of admission. The DICE is renewable if a 3.50 GPA is maintained.

Graduate Teaching and Research Assistantships

A limited number of graduate assistantships are available each semester. Research assistantships are available through various faculty conducting funded research, and information on these can be obtained from individual faculty. Most faculty with funded research programs will award research assistantships to students they have been able to observe in classroom performance. A limited number of teaching assitantships are available to fully-enrolled graduate students who have successfully passed the school's verbal and comprehensive exams. The actual number of assistantships awarded each semester is based on total student enrollment. Typically, awards are for quarter-time support, with three-eighths or half-time support a possibility and may include tuition fee waivers. Priority will be given to students with excellent communication skills and to students in the Interdisciplinary Ph.D. program. Students wishing to be considered must present a simulated lecture that will be videotaped for review. International students must also pass a SPEAK test, administered at UMKC's Applied Language Institute and can not be considered for a teaching assistantship during their first semester of enrollment. Students must apply for these opportunities by sending their application materials by e-mail to griffiths@umkc.edu.

GRADUATE PROGRAMS

The Department of Computer Science Electrical Engineering offers a Master of Science in Computer Science (MS-CS) and Master of Science in Electrical Engineering (MS-EE). Also, our department houses three disciplines in support of the Interdisciplinary Ph.D. program of UMKC:

- Computer Science
- Electrical and Computer Engineering
- Telecommunication and Computer Networking

For more information on the doctoral program, see the description Interdisciplinary Ph.D. Program in the School of Graduate Studies section of this catalog.

MASTER OF SCIENCE IN COMPUTER SCIENCE

The University of Missouri-Kansas City has created an exciting and uniquely designed program of graduate study in computer science. Significant changes have occurred within this discipline in recent years and our graduate program in computer science reflects those changes, providing in-depth education in the new technology and skills most in

demand in this growing industry.

The UMKC graduate student has the unique opportunity to get a concentrated state-of-the-art education in a limited number of the most dynamic, challenging and professionally significant specialty areas. This is made possible by unusual advantages which the UMKC program possesses:

- An interdisciplinary approach to new technology.
- Faculty who are each actively pursuing research in these areas.

Students can earn an M.S. degree in computer science with an emphasis in:

- Bioinformatics
- Networking and Telecommunications
- Software Engineering and Systems

Many courses are offered in these emphasis areas. Contact us by phone: (816) 235-**1193** or send an e-mail csee@umkc.edu.

ADMISSION REQUIREMENT

The University of Missouri-Kansas City's graduate program in computer science will accept college and university graduates whose past performance indicates an ability to succeed in graduate study in computer science. This ability can be demonstrated by the following undergraduate preparation.

1. A sound background in computer science as indicated by an above-average understanding (e.g. a cumulative GPA in CS coursework of 3.0 or better with no single course grade lower than 2.0) of the content of the following courses:
   - Problem Solving and Programming I (CS 101)
   - Problem Solving and Programming II (CS 201)
   - Introduction to Computer Architecture (CS 281)
   - Discrete Structures I and II (CS 191, 291)
   - Data Structures and Algorithms (CS 352)
   - Applied Probability (CS 394R)
   - Introduction to Operating Systems (CS 431)
   - Advanced Computer Architecture (CS 481)
2. A sound background in mathematics as indicated by an above average understanding (e.g. a GPA of 3.0 or better with no single course grade lower than 2.0) of calculus (minimum of 10 hours) and of the content of at least two additional upper-level courses in areas such as linear algebra, differential equations, abstract algebra, numerical analysis or mathematical logic.
3. A GPA of 3.0 or better in all undergraduate work.
4. Official results of the Graduate Record Exam (GRE) general test. The applicant must score in at least the 75th percentile on the quantitative portion of the GRE. Admission to our degree programs is competitive and a higher score is recommended.
5. For international students, a minimum test score of TOEFL 550 or CBT 213 or IBT 79 is needed.
6. Prospective students who want to be considered for acceptance to the M.S. degree program should submit the following documents:
   - Transcripts for all graduate and undergraduate work completed so far; syllabi of these courses (or a URL to these) is strongly suggested.
   - Copies of academic and scholarly diplomas received.
   - GRE scores and, for international students, TOEFL scores, as well as a statement of purpose, i.e. a one- or two-page essay in which the prospective students indicate their career objectives.
   - For international students with a degree from outside the United States, it is strongly advised that the syllabus for coursework taken at their undergraduate institutions be included. Further, a certified statement clarifying how the final grade is computed should be included.

It is possible that a prospective student has obtained a solid understanding of either computer science or mathematics through work or other experience rather than formal study. These students must submit a detailed description of such experience and ask a supervisor to write a letter of reference supporting the application.

Applications will be reviewed by the master's committee when all documentation is received. For full consideration for the semester indicated, completed applications should be received by the follwing dates:

- For fall semester admission (semester starts in August):
  - U.S. students/permanent residents: June 1.
  - International students: Jan. 15.
- For spring semester admission (semester starts in January):
  - U.S. students/permanent residents: Nov. 1 of the preceding year.
  - International students: Oct. 1 of the preceeding year.

U.S. citizens or permanent residents should submit application forms and required supporting materials to:

Mailing Address
University of Missouri-Kansas City
Office of Admissions
120 Administrative Center
5100 Rockhill Road
Kansas City, MO 64110-2499

Their telephone number is (816) 235-**1111** and their e-mail address is admit@umkc.edu.

International students should use the international application form and return the application, along with required supporting materials to:

Mailing Address
University of Missouri-Kansas City
Office of International Student Affairs
5100 Rockhill Road
Kansas City, MO 64110-2499

Their telephone number is (816) 235-**1113** and their e-mail address is isao@umkc.edu.

Prospective students can request additional information or request information regarding their application by contacting UMKC at the above addresses or by sending e-mail to: csee@umkc.edu.

ADVISING

Initially, the student will be advised by the academic adviser assigned to them during the first semester of enrollment. In order to enroll in any course, the student must have the signature of the adviser. No student can enroll without such a signature. If a student enrolls in a class without their adviser's signature or approval, that class may not count toward graduation requirements. Also see the section "Starting the Program".

In the semester that results in 12 hours of credit toward the master's degree, students should decide between a thesis option and a non-thesis option. If students decide on a non-thesis option, they should consult with their adviser and submit a plan of study for approval. If students decide on a thesis option, they should seek a thesis adviser, who then also becomes the academic adviser. The thesis adviser must be a full member of the graduate faculty and, in collaboration with the student, will then appoint two other graduate or associate graduate faculty members to be on the student's thesis committee. The thesis committee may consist of more than three members, but the majority of committee members must have full graduate faculty status. Again, a plan of study must be submitted for approval.

SECONDARY CONCENTRATIONS

All students are required to complete at least two 5500/5600-level courses in a concentration different from their emphasis area. Pre-approved concentrations and associated courses are:

- Bioinformatics
  CS 5560, CS 5566, CS 5567, CS 5570, CS 5590 CI and others.
- Networking and Telecommunications
  CS 5511, CS 5513, CS 5514, CS 5517, CS 5520, CS 5521, CS 5522, CS 5526 and others.
- Software Engineering and Systems
  CS 5531, CS 5551, CS 5552, CS 5554, CS 5570, CS 5572, CS 5670 and others.

If a student desires a concentration other than these, a petition must be submitted to the graduate committee requesting that a concentration be recognized for the student's specific degree plan. It should specifically state which courses the student wants to include in this concentration, it should explain why these courses together form a coherent group and how these courses fit the student's academic goals. Students must seek permission before including other courses in their program of study.

Please note that many of our bioinformatics courses also count towards a MS in Bioinformatics, administered in the Department of Informatic Medicine and Personalized Health in the School of Medicine. Please contact Dr. Stan Edlavitch for more information, 1000 East 24th Street, 5th Floor, Phone: 816-235-6617, Email: edlavitchs@umkc.edu.

DEGREE REQUIREMENT

To earn an M.S. degree in computer science, the student must satisfy both the general master of science degree requirements of the University of Missouri-Kansas City and the requirements of the CSEE Department for either the thesis or non-thesis option as outlined below.

Specific Requirements for the Thesis Option:

1. Complete a minimum of 27 hours of approved coursework for graduate credit with a cumulative GPA of at least 3.0.
2. Additionally, complete a minimum of three hours CS 5599 Research and Thesis.
3. Complete a minimum of nine hours in the emphasis area.
4. Contact a thesis adviser in the semester in which the student completes 12 hours of graduate work.
5. Present evidence of research abilities in the form of a master's thesis resulting from enrollment in at least three hours of CS 5599 Research and Thesis.
6. Pass a general oral examination which may cover all the work covered in the student's graduate program.
7. Satisfy all common requirements (see below).

Specific Requirements for the Non-Thesis Option:

1. Complete a minimum of 36 hours of approved coursework for graduate credit with a cumulative GPA of at least 3.0.
2. Complete a minimum of 12 hours in the emphasis area.
3. Contact an adviser after completing 12 hours of graduate work to complete the program of study.
4. Satisfy all common requirements (see below).

Common Requirements and Limitations for Both Options:

1. Satisfy the core requirement, presently CS 5592 and two of the three courses: CS 5520, CS 5551, and CS 5566.
2. Complete a minimum of six hours in the secondary concentration.
3. Each student must have a plan of study approved by both the student's supervisory committee and the graduate officer before the end of the semester in which the student completes 12 credit hours of graduate work.
4. No more than nine credit hours total from any transferred coursework taken outside the CSEE department and from CS 411, CS 421, CS 423, CS 457, CS 458, CS 461, (only one of CS 470 and CS 471), CS 493 and CS 494R can be used to satisfy degree requirements; these courses cannot be identical to courses already taken for a prior degree and must be completed with a 3.0 or higher GPA for each course used. Other 300- and 400-level courses do not count toward fulfillment of degree requirements.
5. No more than three hours of CS 5597 (directed readings) can be used to satisfy degree requirements. All CS 5597 courses to be applied to the master of science in computer science degree requirements must be approved by the SCE Master's Committee at least six weeks before classes begin.
6. No more than one course grade below 3.0 may be applied toward the degree requirements.

Transfer Credit

Not more than six hours of graduate credit may be transferred from another recognized graduate school or from another academic unit within UMKC. Transfer credit may be applied toward the master's degree requirements on the approval of the student's graduate adviser and the Master's Committee. No credit hours may be transferred when those hours have been used toward the completion of any other degree program, graduate or undergraduate. The total amount of transfer credit and credit from approved CS 400-level classes shall not exceed nine hours.

ACADEMIC REGULATIONS

For smooth completion of the degree program, a student must follow various academic regulations as described below:

PROGRAM OF STUDY

A graduate degree indicates mastery of a coherent program in a chosen field and the ability to engage in creative projects in that specialty. The program of study is vital in assuring the completion of a formal program of study designed to ensure the mastery of specified knowledge and skills.

Forms for the program of study specification may be obtained from the CSEE Department Office. It is required that the program be approved by the student's graduate adviser and the graduate committe chair in the semester in which the student will complete 12 credit hours toward the degree, which is usually during the second semester of enrollment. It is then forwarded to the graduate officer for further approval and handling.

Once a program of study has been approved, it is the student's responsibility to ensure that all curricular requirements and prerequisites are satisfied. If a change in the approved program is needed, a petition must be submitted to the student's adviser who forwards it to the graduate committee for approval. It is not expected that more than four courses will change from the original program of study. If more than four courses are changed, then a new program of study should be filed.

STARTING THE PROGRAM

When accepted into the program, the student's first contact is with the computer science principal graduate adviser or with members of the graduate committee during the orientation session. At this initial meeting, a review will be made of the student's status in the program and the student will be required to provide a tentative program of study within the first semester. Such a program should reflect the deficiency and prerequisite courses that have been prescribed and may have to be taken prior to taking courses for graduate credit.

The most immediate concern is for the courses to be taken in the first semester. The principal graduate adviser will help the student select those initial courses.

Within the first semester, the student will be assigned a graduate adviser (faculty) who will then become the primary contact person for that student until a thesis adviser (for

thesis option) is selected. The chair of the CSEE graduate committee or his/her designee will notify the student of the identity of the specific graduate adviser. It will be the responsibility of students, in conjunction with their advisers/chairs, to devise a program of study using the degree requirements worksheet and the course planning worksheet. This should be submitted to the graduate committee, usually by the end of the second semester. The CSEE graduate committee is in charge of handling procedural issues related to the M.S. program in computer science. Any request for exception to rules, regulations or policies should be directed to this committee.

Deficiences

The graduate committee reviews and evaluates all applications for admissions to the M.S. degree programs. Frequently, they review applications from students whose past academic record show strong positive indications for success as a graduate student, yet have not satisfied all courses needed for full admission. The committee may offer these students admission to the program on a conditional basis and compile a list of "deficiency courses". The successful completion of these courses with a grade of B or better will be a condition of full admission to the program. The student is then required to complete all such deficiencies as a contractual obligation at the earliest opportunity.

The committee creates this list based on the transcripts and syllabus submitted by the applicant. However, it is possible that applicants have indeed satisfied one or more of their listed deficiencies. In these cases, the student should contact their academic adviser as soon as possible in the first semester to initiate a petition to waive the deficiencies in question. The written petition with all the needed supporting documentation (such as course syllabus) attached, must be submitted no later than six weeks (two weeks for summer) after the start of the first semester of enrollment. The decision of the committee is final and can be one of three:

- The waiver is granted.
- The student is allowed to take an examination.
- The waiver is denied and the student must pass the class with a B (3.0) or higher.

The committee's decision is final, so it is important that students consult with their adviser to ensure that all the proper documentation supporting the waiver is submitted.

If the student is allowed to take an examination, it must take place no later than the second semester of enrollment. Deficiency examinations are offered once each semester and the student may take the exam only once. If the student does not perform satisfactorily on the exam, then the student must enroll in the course to satisfy the deficiency requirement.

All deficiencies shall be satisfied within three semesters of admission. If deficiencies are not satisfied within this time period, enrollment will be limited to deficiency courses until all deficiencies have been satisfied.

Graduate Course Prerequisites

Note that there are graduate level courses that have an undergraduate course as prerequisite and that not all undergraduate courses can be taken for graduate credit.

ACADEMIC LOADS

A graduate student enrolled in the fall or spring semester in nine or more credit hours is considered full time. A graduate student enrolled in the summer semester in five or more credit hours is considered full time. Any student enrolled in less than the above number of hours is considered part time. A student who is enrolled for six credit hours during a regular semester may be considered full time if the student has at least a quarter-time graduate research/teaching assistantship. A student's academic load may be restricted as deemed fit by the student's graduate adviser or the CSEE master's committee.

International students will be required to take an English Proficiency Test administered by the International Student Affairs Office. Performance on the test may result in the requirement that the student take one or more English language courses during the first semester.

Students holding graduate teaching assistantships and graduate research assistantships should take a minimum of six credit hours during each of the fall and spring semesters and a minimum of three credit hours during the summer session. However, GTA/GRAs who have completed all coursework and who are working on research need to enroll in only one credit hour. International students must abide by the requirements of the U.S. Immigration Service and should consult the International Student Affairs Office regarding this matter.

ENROLLMENT POLICIES

To remain in good standing, the student must enroll for at least one semester during each calendar year until all the courses in the program of study are completed. After this time, the student must be continuously enrolled each fall and spring semester until the degree is awarded. The student must be enrolled in the semester in which the degree will be received. Students working as graduate assistants during the summer must be enrolled during the summer semester. Failure to follow the above policies will result in a need to apply for new admission to the program under the degree requirements in effect at the time of re-admission.

ACADEMIC STANDING

The student must maintain at least a 3.0 GPA every semester. Deficiency courses, if any, must be passed with a B (3.0) or higher. A 400-level course in which the student receives a grade lower than B (3.0) can not be used to satisfy the degree requirements. Similarly, a 5000-level course in which the student receives a grade lower than C (2.0) can not be used to satisfy the degree requirements. However, all grades for courses taken for graduate credit shall be used in the calculation of the current GPA. No more than one grade below B (3.0) in a course taken for graduate credit can be applied toward the degree. If a student receives three grades below B (3.0) in courses taken for graduate credit or taken to fulfill a deficiency requirement, or if a student receives a grade below C (2.0) in a course taken for graduate credit or taken to fulfill a deficiency requirement, then the student will be ineligible to enroll.

PETITIONS

Any exception to academic policy and regulations or to the degree requirements (e.g. deficiency waiver) must be requested through a written petition. The petition form is available from the CSEE Department Office and on the Web; the completed petition which includes an explanation for the petition should be submitted to the CSEE Department Office. The degree program coordinator or his/her designee will review petitions and communicate the result to the student. It is important that the petition include any necessary documents as attachments for a timely decision.

INELIGIBILITY

Ineligible students may petition the CSEE graduate committee to be re-enrolled. Such petitions will be reviewed by the graduate committee whose ruling is final. An ineligible student will only be approved for further graduate study under the terms of a restrictive probation in the form of a written contract between the student and the CSEE department. The CSEE department may render a student ineligible regardless of the student's GPA. Such procedures are rare and will involve a recommendation to the dean of the School of Graduate Studies.

AUDITING A COURSE

A graduate student should not take a course for audit if that student plans to take the course for credit. Once a course has been audited by a student, the student cannot take the course for credit later in the program.

A graduate student cannot change a course to audit after the eighth week of the fall and spring semesters or after the fourth week of the summer semester. Changes to audit status must have the permission of the course instructor, as well as be within the allowable period.

DIRECTED READING COURSES

Up to three hours of CS 5597 Directed Readings is allowed toward a master of science. Such a course must be approved in advance (i.e., before the student takes the course) by the student's committee and the graduate committee. The following information must be furnished:

- Title of the course.
- Detailed syllabus for the course.
- Textbook and references.
- The manner in which the course will be conducted (i.e. meetings, assignments, etc.).
- The manner in which the students are assessed (i.e. how many exams, presentations, reports, etc.).
- The course which it replaces, if appropriate.
- Name(s) of the instructor(s).
- Name(s) of the student(s).
- Reasons for offering this course in a directed readings format.

Thesis Option

Master's degree candidates in computer science who decide to do the thesis option are required to demonstrate knowledge and maturity in the discipline by completing at least three hours of CS 5599 - Research and Thesis. Students may enroll in more than three hours of CS 5599, however, only three hours may be applied toward the degree. The research program will be defined by the student in conjunction with the student's thesis committee. Under the direction of the thesis adviser, the student will investigate a topic of current interest in computer science and prepare a master's thesis on that topic.

The final requirement for conferral of the M.S. degree is defense of the thesis, where the supervisory committee is the examining body. The thesis must be submitted in complete typewritten form to the adviser and supervisory committee at least six weeks before the date the advanced degree is to be conferred. Also, the supervisory committee must have access to the thesis at least one week before the date of the defense. Students must comply with all rules and regulations governing theses outlined in the general catalog under General Graduate Academic Regulations and Information.

Fast Track Computer Science Program

See the Fast Track section under Computer Science in the undergraduate catalog for information about the Fast Track Computer Science Program.

Master of Science in Electrical Engineering

The University of Missouri-Kansas City has created an exciting and uniquely designed program of graduate study leading to the master of science in electrical engineering. This degree offers several options: thesis or non-thesis, with the latter available with an electric power focus area. In the thesis option, the student has the opportunity to engage in research that builds upon coursework to reach the forefront in the chosen area. This degree option prepares graduates for a wide variety of future opportunities, whether it be in corporate research, product development, management or entrepreneurial endeavors. It also prepares graduates for doctoral studies. The overall goal is to put graduates into a position to be leading technology developers and innovators. The non-thesis option provides the student opportunities to study areas such as wireless communications, signal processing, computer architectures, digital systems, VLSI design, low-power chip design, image processing, computational electromagnetics, antenna theory, computer networking and neural networks. Alternately, the student can select the electric power focus, designed to fit easily into the schedule of full-time working engineers. The curriculum of the focus area is flexible and includes selected business courses such as project management in addition to electrical engineering courses. The specialty has been developed in coordination with industry, engineering firms and utilities. Contact info: (816) 235-**1193**, csee@umkc.edu.

Admission Requirement

Applicants for master's level graduate studies in electrical and computer engineering should have a GPA of at least 3.0 on a 4.0 scale for the last 60 semester hours of relevant undergraduate coursework in electrical engineering and/or computer engineering. However, if that GPA is below 3.0 but more than 2.75, and if other indicators promise success in the program, rules may still allow probationary admission. The department will notify the applicant by letter after careful examination of the application packet. The following documents are required for admission consideration:

1. Application for admission.
2. Official transcripts of all college coursework.
3. Graduate engineering supplemental application.
4. Official results of the Graduate Record Exam (GRE) general test. The applicant must score in at least the 75th percentile on the quantitative portion of the GRE. Admission to our degree programs is competitive and a higher score is recommended.
5. (For international students only) A minimum test score of TOEFL 550 or CBT 213 or IBT 79 is needed. International students must also place in the top 25 percent of his or her graduating class.
6. Three letters of recommendation for students with a GPA less than 3.0 for the last 60 hours of undergraduate work.

Note: High GRE verbal and quantitative scores and strong letters of recommendation may compensate for lower TOEFL scores and GPAs.

Acceptance or Denial

After thoroughly considering an applicant's record, one of the following actions will be taken:

Normal Acceptance

The student is accepted unconditionally.

Normal Acceptance with Pre-program Requirements

This category applies to an otherwise qualified applicant who has a bachelor of science degree from an approved program, but not in electrical engineering, computer engineering, or a similarly named engineering discipline. The student will be notified in writing of any make-up requirements specified by the master's committee.

Probationary Acceptance

Applicants with marginal credentials may be admitted conditionally. They will have to receive a B or better in each course in the first 12 hours of graduate coursework. In addition, make-up requirements may be set forth by the master's committee.

Non-Acceptance

The student is not admitted. The student will be notified in writing of the admission denial. The letter may specify under what conditions a future application would be more favorably considered.

Advising

Initially, the student will be advised by the academic adviser assigned to them during the first semester of enrollment. In order to enroll in any course, the student must have the signature of the adviser.

In the semester that results in 12 hours of credit toward the master's degree, the student should decide between a thesis option and a non-thesis option. If the student decides on a non-thesis option, he or she should consult with his or her adviser. If the student decides on a thesis option, he or she should seek a thesis adviser, who then also becomes the academic adviser. The thesis adviser must be a full member of the graduate faculty and, in collaboration with the student, will then appoint two other graduate or associate graduate faculty members to be on the student's thesis/supervisory committee. This committee may consist of more than three members, but the majority of committee members must have full graduate faculty status.

ACADEMIC REGULATIONS

For smooth completion of the degree program, a student must follow various academic regulations as described below:

STARTING THE PROGRAM

When accepted into the program, the student's first contact is with the electrical engineering principal graduate adviser. At this initial meeting, a review will be made of the student's status in the program and the student will be required to provide a tentative program of study within the first semester. Such a program should reflect the prerequisite courses that have been prescribed and that may have to be taken prior to taking courses for graduate credit.

The most immediate concern is for the courses to be taken in the first semester. The principal graduate adviser will help the student select those initial courses. Within the first semester, the student will be assigned an academic adviser who will be the primary contact for the student until the student graduates under the non-thesis option. If the student decides to follow the thesis option, a thesis adviser will replace the academic adviser. In either case, it is the responsibility of the student to devise, after consultation with their advisers, a program of study using the degree requirements worksheet and the course planning worksheet. This should be submitted to the graduate officer, usually by the end of the second semester.

The master's committee is in charge of handling procedural issues related to the M.S. program in electrical engineering. Any request for exception to the rules should be handled as described below related to petitioning procedures.

PROGRAM OF STUDY

A graduate degree indicates mastery of a coherent program in a chosen field and the ability to engage in creative projects in that specialty. The program of study is vital in assuring the completion of a formal program of study designed to ensure the mastery of specified knowledge and skills.

Forms for the program of study specification may be obtained from the graduate officer. It is required that the program be approved by the student's graduate thesis adviser and filed by the graduate officer in the semester in which the student will complete 12 credit hours toward the degree. This is usually during the second semester of enrollment.

Once a program of study has been approved by the principal graduate adviser and filed with the graduate officer, it is the student's responsibility to ensure that all curricular requirements and prerequisites are satisfied and changes in the program are submitted to the student's thesis/supervisory committee via the thesis adviser for approval.

Any changes to the program of study must have the approval of the adviser, the thesis/supervisory committee and the principal graduate adviser. It is not expected that more than four courses will change from the original program of study. If more than four courses are changed, then a new program of study should be filed.

ACADEMIC LOADS

A graduate student enrolled in the fall or spring semester for nine or more credit hours is considered full time. A graduate student enrolled in the summer semester for five or more credit hours is considered full time. Any student enrolled in less than the above number of hours is considered part time. A student's academic load may be restricted as deemed fit by the student's graduate adviser or the master's committee. International students will be required to take an English Proficiency Test administered by the International Student Affairs Office. Performance on the test may result in the requirement that the student take one or more English language courses during the first semester.

Students holding graduate teaching assistantships and graduate research assistantships should take a minimum of six credit hours during each of the fall and spring semesters, and a minimum of three credit hours during the summer session. However, GTA/GRAs who have completed all coursework and who are working on research need only to enroll in one credit hour. International students must abide by the requirements of the U.S. Immigration Service and should consult the International Student Affairs Office regarding this matter.

ENROLLMENT POLICIES

To remain in good standing, the student must enroll for at least one semester during each calendar year until all the courses in the program of study are completed. After this time, the student must be continuously enrolled each fall and spring semester until the degree is awarded. The student must be enrolled in the semester in which the degree will be received. Failure to follow the above policies will result in a need to apply for new admission to the program under the degree requirements in effect at the time of re-admission.

ACADEMIC STANDING

The student must maintain at least a 3.0 GPA every semester. Deficiency courses, if any, must be passed with a B (3.0) or higher. A 400-level course in which the student receives a grade lower than B (3.0) shall not be used to satisfy the degree requirements. Similarly, a 5500/5600-level course in which the student receives a grade lower than C (2.0) shall not be used to satisfy the degree requirements. However, all grades for courses taken for graduate credit shall be used in the calculation of the current GPA. No more than one grade below B (3.0) in a course taken for graduate credit shall be applied toward the degree. If a student receives three grades below B (3.0) in courses taken for graduate credit or taken to fulfill a deficiency requirement, or if a student receives a grade below C (2.0) in a course taken for graduate credit or taken to fulfill a deficiency requirement, then this student will be ineligible to enroll.

PETITIONS

Any exception to academic policy and regulations or to the degree requirements (e.g. deficiency waiver) must be requested through a written petition. The petition form is available from the CSEE Department Office and on the Web. The completed petition that includes an explanation for the petition should be submitted to the CSEE Department Office. The degree program coordinator or his/her designee will review such petitions and will communicate the result to the student. It is important that the petition include any necessary documents as attachments for a timely decision.

INELIGIBILITY

Ineligible students may petition the CSEE graduate committee to be re-enrolled. Such petitions will be reviewed by the graduate committee whose ruling is final. An ineligible student will only be approved for further graduate study under the terms of a restrictive probation taking the form of a written contract between the student and the CSEE department. The CSEE department may render a student ineligible regardless of the student's grade-point average. Such procedures are rare, and will involve a recommendation to the Dean of the School of Graduate Studies.

AUDITING A COURSE

SCE graduate students should not take a course for audit if they plan to take the course for credit. Once a course has been audited by a student, that student cannot take the course for credit later in the program.

SCE graduate students cannot change a course to audit after the eighth week of the fall and spring semesters or after the fourth week of the summer semester. Changes to audit status must have the permission of the course instructor, as well as be within the allowable period.

DIRECTED READING COURSES

Up to three hours of ECE 5597 Directed Readings and ECE 5697 Advanced Directed Readings, is allowed toward the master of science in electrical engineering. Such a course must be approved in advance (i.e., before the student takes the course) by the student's thesis/supervisory committee and the graduate committee. The following information must be furnished:

- Title of the course.
- Detailed syllabus for the course.
- Textbook and references.
- The manner in which the course will be conducted (i.e. meetings, assignments, etc.).
- The manner in which the students are assessed (i.e. how many exams, presentations, reports, etc.).
- The course which it replaces, if appropriate.
- Name(s) of the instructor(s).
- Name(s) of the student(s.)
- Reasons for offering this course in a directed readings format.

THESIS OPTION

The Comprehensive Final Examination is required of all candidates for the master of science degree under the thesis option. It is arranged by the graduate faculty adviser. It is to be conducted prior to the deadline date established by the Graduate School for the semester of intended graduation. Prior to the date of the examination, each member of the committee is furnished a copy of the candidate's final thesis for review and discussion at the time of the final examination.

If pursuing the thesis option, the thesis must be submitted in complete typewritten form to the adviser and supervisory committee at least six weeks before the date the advanced degree is to be conferred. Also, the supervisory committee must have access to the thesis at least one week before the date of the defense. Students must comply with all rules and regulations governing theses outlined in the general catalog under General Graduate Academic Regulations and Information.

FAST TRACK ELECTRICAL ENGINEERING PROGRAM

See the Fast Track section under Electrical and Computer Engineering in the undergraduate catalog for information about the Fast Track Electrical Engineering Program.

DOCTORAL STUDIES IN COMPUTER SCIENCE OR ELECTRICAL ENGINEERING

The Department of Computer Science Electrical Engineering also participates in the Interdisciplinary Ph.D. program of the University of Missouri-Kansas City. This program is administered through the School of Graduate Studies at the University of Missouri-Kansas City and requires a student to select both a coordinating discipline and a co-discipline. Many doctoral students choose both coordinating and co-disciplines in our department or the School of Computing and Engineering, but other disciplines can be taken as well. Three such disciplines are housed in our department:

- Computer Science
- Electrical and Computer Engineering
- Telecommunication and Computer Networking

These were formerly known as computer networking, software architecture and telecommunications networking. See the School of Graduate Studies section of this catalog for details about the Interdisciplinary Ph.D. program.

FINANCIAL ASSISTANCE

Graduate teaching assistantships and graduate research assistantships are available to prospective doctoral students, but are highly competitive. Currently, most full-time Ph.D. students in the CSEE department are supported either as graduate teaching assistants or as graduate research assistants.

Doctoral students already in the program are eligible to apply for several fellowships available from the School of Graduate Studies. Check the School of Graduate Studies Web site at www.umkc.edu/sgs/financial.asp for additional information.

COMPUTER SCIENCE (CS)

- 5510 Information Theory (3)
- 5511 Advanced Telecommunications Networks (3)
- 5513 Digital Cellular Communications (3)
- 5514 Optical Fiber Communications (3)
- 5514A Optical Networking (3)
- 5517 Digital Switching: Techniques And Architectures (3)
- 5520 Network Architecture I (3)
- 5521 Network Architecture II (3)
- 5522 Computer Network Design And Analysis (3)
- 5524 Protocol Design (3)
- 5526 Network Routing (3)
- 5528 Local Area Networks: Analysis And Design (3)
- 5531 Advanced Operating Systems (3)
- 5532 Discrete Event Simulation (3)
- 5551 Advanced Software Engineering (3)
- 5552 Advanced Data Structures (3)
- 5552A Formal Software Specification (3)
- 5554 Software Tools And Programming Environments (3)
- 5556 Human Factors In Computer Systems (3)
- 5560 Knowledge Discovery And Management (3)
- 5561 Advanced Artificial Intelligence (3)
- 5564 Inference Techniques And Knowledge Representation (3)
- 5566 Introduction To Bioinformatics (3)
- 5567 Machine Learning In Bioinformatics (3)

- 5570 Architecture Of Database Management Systems (3)
- 5572 Mobile Computing (3)
- 5575 Advanced Computer Graphics (3)
- 5581 Parallel Computer Architecture I (3)
- 5590 Special Topics (1-3)
- 5590AB Special Topics (1-3)
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- 5590BI Special Topics (1-3)
- 5590CA Special Topics (1-3)
- 5590CD Special Topics (1-3)
- 5590DA Special Topics (1-3)
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- 5590O Special Topics (1-3)
- 5590OP Special Topics (1-3)
- 5590OS Special Topics (1-3)
- 5590PC Special Topics In Computer Science (1-3)
- 5590SK Special Topics Computer Science (1-3)
- 5590WW Special Topics (1-3)
- 5590XX Special Topics (1-3)
- 5591 Concurrency Models (3)
- 5592 Design And Analysis Of Algorithms (3)
- 5594 Introduction To Queueing Theory (3)
- 5595 Mathematical Foundations Of Computer Science (3)
- 5596A Computer Security I: Cryptology (3)
- 5596B Computer Security II: Applications (3)
- 5597 Directed Readings (1-3)
- 5598 Research Seminar (1-3)
- 5599 Research And Thesis (1-6)
- 5622 Advanced Network Analysis (3)
- 5623 Network Simulation And Modeling (3)
- 5651 Distributed Computing For Software Systems (3)
- 5670 Architecture Of Distributed Database Systems (3)
- 5690 Advanced Special Topics (1-3)
- 5694 Advanced Queueing Theory (3)
- 5697 Directed Readings (1-3)
- 5698 Advanced Research Seminar (1-3)
- 5699A Research And Dissertation Research In Computer Science (1-12)
- 5899 Required Grad Enrollment (1)

ELECTRICAL AND COMPUTER ENGINEERING (ECE)

- 5501AP Special Topics In Electrical Engineering (1-4)
- 5501NN Special Topics In Electrical Engineering (1-4)
- 5512 Microwave Remote Sensing (3)
- 5516 Computer Networks (3)
- 5528 Digital Hardware Systems Design (3)
- 5530 Digital Electronics (3)
- 5532 Biomedical Instrumentation (3)
- 5535 Hdl-Based Digital Systems Design (3)
- 5536 Power Electronics II (3)
- 5568 Economics Of Power Systems (3)
- 5572 Antennas & Propagation For Wireless Systems (3)
- 5579 Digital Signal Processing In Telecommunications (3)
- 5580 Advanced Digital Signal Processing (3)
- 5586 Pattern Recognition (3)
- 5588 Communication Theory I (3)
- 5590 Special Topics In Electirical And Computer Engineering (1-4)
- 5590AE Special Topics In Electirical And Computer Engineering (1-4)
- 5590B Special Topics In Electrical And Computer Engineering (1-4)
- 5590BB Special Topics in Electrical and Computer Engineering (1-4)
- 5590BE Special Topics In Electirical And Computer Engineering (1-4)
- 5590BP Special Topics In Electirical And Computer Engineering (1-4)
- 5590C Special Topics In Electrical And Computer Engineering (1-4)
- 5590CA Special Topics In Electirical And Computer Engineering (1-4)
- 5590CD Special Topics In Electirical And Computer Engineering (1-4)
- 5590CL Special Topics In Electirical And Computer Engineering (1-4)
- 5590CS Special Topics In Electirical And Computer Engineering (1-4)
- 5590DC Special Topics In Electirical And Computer Engineering (1-4)
- 5590DE Special Topics (1-4)
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- 5590NN Special Topics In Electirical And Computer Engineering (1-4)
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- 5597 Directed Readings (1-3)
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- 5600 Problems (2-5)
- 5606 Electromagnetic Scattering And Antenna Theory (3)
- 5616 Parallel And Distributed Processing (3)

- 5617 Neural Network Based Computing System (3)
- 5618 Artificial Intelligence (3)
- 5619 Theory Of Automata (3)
- 5624 Digital Software Systems Design (3)
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- 5642 Advanced Integrated Circuits (3)
- 5644 Liapunov And Related Nonlinear Methods In Automatic Control (3)
- 5645 Optimal Control Theory (3)
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- 5660 Power-Systems Stability (3)
- 5661 Solid State Energy Conversion (3)
- 5662 Power Electronic Drives (3)
- 5664 Lightning And Switching Surges In Power Systems (3)
- 5668 Advanced Computer Methods In Power System Analysis (3)
- 5670 Direct Current Power Systems (3)
- 5672 Power Systems Relaying (3)
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- 5676 Advanced Electric Circuit Analysis (3)
- 5677 Network Synthesis (3)
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- 5682 Coding Theory II (3)
- 5684 Computer Vision (3)
- 5688 Communication Theory II (3)
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- 5690EM Advanced Topics In Electrical And Computer Engineering (1-4)
- 5690ET Advanced Topics In Electrical And Computer Engineering (1-4)
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Dentistry, School of

SCHOOL OF DENTISTRY

Dental School
650 E. 25th Street
(816) 235-**2100**
Fax: (816) 235-**2157**
(816) 235-**2080** (Admissions)
(800) 776-8652 (Toll-free admissions)
(816) 235-**2050** (Division of Dental Hygiene)
dentistry@umkc.edu
http://www.umkc.edu/dentistry/

Mailing Address
University of Missouri-Kansas City
School of Dentistry
650 E. 25th Street
Kansas City, MO 64108-2784

Dean:
Michael J. Reed
Associate Dean for Academic Affairs:
Pamela R. Overman
Assistant Dean for Business Affairs:
Edgar J. Ellyson
Assistant Dean for Clinical Programs, Information Technology, Patient and Facilities Management:
Harvey C. Eplee
Assistant Dean for Student Programs:
John W. Killip

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  - Scholarships
  - Requirements for Graduation
  - Customized Plan of Study
  - Required Courses for the Master of Science Degree

- Oral Biology Interdisciplinary Ph.D.
-

Dentistry Course

- Dentistry (DENT)
- Dental Hygiene (DHYG)
- Dentistry Biological Sciences
- Endodontics
- General Practice

- Oral Biology
- Oral Radiology
- Oral Surgery

- Orthodontics
- Pedodontics
- Pediatric Dentistry
- Periodontics
- Research Methodology - Dentistry (RESME)

GENERAL INFORMATION

All statements in this section are announcements of present policies, requirements (admission and academic progress), curricula, fees and services. They are subject to change at any time without prior notice. They are not to be regarded as offers to contract.

History

The UMKC School of Dentistry traces its roots to 1881, when the Kansas City Dental College was founded as a department of the Kansas City Medical College. In 1919 the Kansas City Dental College merged with Western Dental College to form the Kansas City Western Dental College. It became the School of Dentistry of the University of Kansas City in 1941. In 1963 the school became the School of Dentistry at UMKC.

Continuous and distinguished service for more than 100 years has established the School of Dentistry as an important institution throughout the nation.

Over the years, the school's educational standards and opportunities have increased as the school has consistently demonstrated its ability to educate well-qualified dentists and dental hygienists to contribute to the improvement of dentistry. As an affirmation of this, the D.D.S., the graduate certificate programs: advanced education in general dentistry, periodontics, pediatric dentistry, oral and maxillofacial radiology, oral and maxillofacial surgery, endodontics, and orthodontics and dentofacial orthopedics, and the B.S. in dental hygiene are fully accredited by the Commission on Dental Accreditation of the American Dental Association.

The school is situated on the Hospital Hill campus, where Truman Medical Center, Children's Mercy Hospital and the UMKC schools of medicine and nursing are also located.

GOALS

The School of Dentistry is a center for dental education, research and service. The goals of the school are to:

- Prepare graduates in dentistry and dental hygiene to deliver patient care with a scientific basis and a caring manner.
- Instill a professional and societal responsibility in all students that will prepare them to become community leaders and address the public need.
- Provide practitioners and educators with continuing education opportunities to learn recent advances in dentistry and related fields.
- Contribute to the advancement of dentistry through basic, applied and educational research.
- Provide advanced education programs in dental research, education, general dentistry and dental specialities.
- Be a resource in oral health care for the public and community leaders.

FACILITIES

Clinic

Occupies 16,000 square feet; 274 fully equipped dental operatories; approximately 50,000 patient visits per year; internal, full-service prescription laboratories. Each patient treatment cubicle is equiped with electronic treatment record computer terminals. The computer-based student/patient clinical record mangement system is central to the efficient operation of the dental clinic.

Classrooms

Three large lecture halls and thirteen smaller classrooms. Lecture halls are equipped with networked computers and modern projection systems.

Laboratories

Two dental preclinical simulation facilities with fully equipped working stations; an anatomical model laboratory.

Library

Part of the university-wide library system: approximately 26,000-volume collection; more than 365 periodical subscriptions; extensive reference services; instructional resource library, extensively equipped for independent study with a variety of audiovisual equipment and 37 networked computers; Postgraduate Dental Career Opportunity Center provides information on dental practices for sale, and those in need of associates, advanced educational programs, armed services opportunities, dental hygiene and dental educational opportunities.

Hospital Affiliations

Teaching relationships exist with Kansas City Veterans Affairs Hospital, Leavenworth Veterans Affairs Hospital, Children's Mercy Hospital, Saint Luke's Hospital, Truman Medical Center Hospital Hill, Truman Medical Center Lakewood, Baptist-Lutheran Medical Center, Richard Cabot Medical Clinic, Samuel Rodgers Community Health Center, Cabot Clinic and Swope Parkway Health Center.

Miscellaneous

The school also supports a full-service Biomedical Communication Department that contributes significantly to its educational and administrative missions. The Health Sciences Bookstore supplies all textbook, and some supply needs of the student body; it is housed on the Hospital Hill Campus.

RESEARCH PROGRAMS

Research plays a prominent role in the School of Dentistry. The Interdisciplinary Ph.D. program, and the advanced dental and dental hygiene educational programs all have strong research components. The intent of these advanced programs is to expose the student to basic and translational research, and clinical application. Research and the scientific method are formal parts of the educational program of all dental school students, contributing to their education, as well as serving to advance science and dentistry. Grants from external funding currently amount to more than $8 million per year. Many of the researchers who have obtained these grants serve as mentors for dental students participating in the Dental Summer Scholars Program. In this selective program, a limited number of students gain an eight-week research experience in the mentor's area of research interest.

Outreach Programs

In keeping with its goal of developing in its students a sense of professional and societal responsibilities, and an awareness of community needs and problems, the school offers numerous outreach opportunities to students in all of its programs. Individuals associated with more than 30 community-based organizations, agencies or projects are provided oral health care by UMKC students and faculty. Representative of these are the Kansas City Free Health Clinic, Dental Care With A Heart program (dental care for homeless and/or economically needy persons), Northeast Missouri Area Health Education Center Dental Clinic, Theodosia, Mo., project (serving the underserved in rural settings), Special Olympics Oral Health Screening project (providing oral health assessments to mentally or developmentally disabled persons), and treatment of orphaned children each year in Arecibo, Venezuela.

ACADEMIC / STUDENT SUPPORT SERVICES

Academic Monitor

The academic monitor of the School of Dentistry conducts a comprehensive retention program which includes sessions to refine learning skills and to provide assistance in coursework, as needed. Supervised review sessions are also organized for lecture and laboratory sections of many courses.

An interceptive system of continuous academic monitoring is in effect. Students who may be experiencing academic difficulty during a term are identified and advised. This results in an individualized plan of action to overcome any deficiencies. In addition, personal counseling assistance is available to all students who state or demonstrate a need.

Office of Student Programs

The Dental School's Office of Student Programs is concerned with three primary areas of focus and responsibility:

- Admissions/recruitment
- Student records
- Student support services

The majority of student services are provided by this office. In other cases, the student is referred to the appropriate University student affairs offices if necessary. Student Support Services provide financial aid (initial assistance and referral), counseling services (initial assistance and referral), a housing file and referral, a part-time job file and referral, and other services.

The School of Dentistry also offers the services of a debt management counselor to its students and alumni, for guidance managing loan programs and general financial advising.

Financial Aid

Financial assistance is available from a number of sources, primarily those programs supported by federal legislation (such as the Federal Direct Loan programs and Health Professions Student Loan). Information on most financial aid programs available to School of Dentistry students may be found in the School of Dentistry section of the Financial Aid Charts at http://www.umkc.edu/finaid. Additional information may be gathered from

Office of Student Programs
School of Dentistry
(816) 235-**2080**

or from

University of Missouri-Kansas City
Financial Aid and Scholarships Office
101 AC
5100 Rockhill Road
Kansas City, MO 64110-2499
(816) 235-**1154**

The student should apply for aid as soon as possible after acceptance into the particular program of study.

GRADING SYSTEM

The grading and grade-point system used by all academic programs in the School of Dentistry is defined by the University. It is outlined in the General Graduate Academic Regulations and Information section of this catalog. The School of Dentistry does not use the + and - grading option; grades rendered are A, B, C, etc.

Incomplete Grades

An instructor may give an incomplete grade (I) to a student who, because of illness or other valid reasons beyond the student's control, has been unable to complete the work in a course. A student who receives an incomplete, and who subsequently does not elect to withdraw from the course, must complete the required work by a date specified by the instructor. Failure to complete required work by this date is cause for the incomplete to be changed to an F (failure without credit). This is exclusive of those courses that are considered directed individual studies, internships, special topics, practicums, and research and thesis courses.

An incomplete is appropriate when enough work in the course has been completed that the student can finish the remaining work without re-enrolling in the course in question or attending additional classes. Otherwise students should initiate withdrawal (but only with permission).

Students may not re-enroll in a course for which an incomplete remains on their records.

DEGREES OFFERED

The School of Dentistry offers a four-year professional program leading to the doctor of dental surgery (D.D.S.) degree, and the bachelor of science degree in dental hygiene (B.S.). The School offers graduate programs leading to a master of science degree in oral biology or in dental hygiene education (M.S.), and graduate certificates in recognized dental clinical specialties or other dental disciplines.

In addition, the school participates in UMKC's Interdisciplinary Ph.D. program through the discipline of oral biology. Please refer to the School of Graduate Studies section of the catalog for information on admission criteria and degree requirements.

ORAL BIOLOGY INTERDISCIPLINARY PH.D.

The Ph.D. program at UMKC is interdisciplinary. This program is described in more detail in the Oral Biology I.Ph.D. Program within the Graduate Studies section of this catalog.

Students interested in studies at the doctoral level in the discipline of oral biology should apply to the Interdisciplinary Ph.D. program in the School of Graduate Studies.

Detailed information on the general and discipline-specific admission requirements for the Ph.D. can be found in the School of Graduate Studies section of this catalog.

DENTISTRY (DENT)

- 6305 Operative Dentistry I Lecture (1)
- 6305L Operative Dentistry I Laboratory (2)
- 6306 Introduction To Ethics And Professionalism (1)
- 6310C Clinical Assisting (2.5)
- 6312 Dental Behavioral Science I (1-2)
- 6314C Introduction To Oral Diagnosis (3)
- 6316 Dental Morphology (3)
- 6317 Dental Occlusion (3)
- 6318 Dental Biomaterials Lecture (1)
- 6328 Introduction To Dental Research Literature (1-2)
- 6335 Applied Neuroscience (2)
- 6350 Introduction To The Histopathology Of Oral Tissues (2.5)
- 6390 Dental Research Experience (1)
- 6410 Operative Dentistry II Lecture (1)
- 6410L Operative Dentistry II Laboratory (2)
- 6411 Operative Dentistry III Lecture (1)
- 6412 Anesthesiology I Lecture (1)
- 6414 Pathology I Lecture (4)
- 6415 Pathology II (2)
- 6416 Complete Removable Prosthodontics I Lecture (1)
- 6416L Complete Removable Prosthodontics I Laboratory (2)
- 6417 Removable Partial Prosthodontics Lecture (3)
- 6420 Periodontics I (2)
- 6422 Fixed Prosthodontics I Lecture (1)
- 6422L Fixed Prosthodontics I Laboratory (2)
- 6423 Fixed Prosthodontics II Lecture (1)
- 6423L Fixed Prosthodontics II Laboratory (2)
- 6424 Oral Diagnosis And Oral Medicine (1-2)
- 6426 Oral Radiology Lecture (2)
- 6429 Dental Behavioral Science II (1)
- 6431 Pediatric Dentistry I Lecture (1)
- 6435 Endodontics I Lecture (1)
- 6436 Orthodontics: Growth And Development (1)
- 6439 Medical Emergencies In The Dental Office (1)
- 6440 Oral Surgery I (1)
- 6441C Treatment Planning (2)
- 6442 Endodontics II Lecture (1)
- 6442L Endodontics Laboratory (2)
- 6460C Review Of Pre-Clinical Dentistry (2)
- 6501C Intro To Comprehensive Patient Care (1-10)
- 6502 Grand Rounds I (1)
- 6507C Pediatric Clinical Dentistry II (1-2)
- 6509C Comprehensive Patient Care I (1-10)
- 6510C Comprehensive Patient Care II (1-10)
- 6514 Pathology III Lecture (1)
- 6515 Periodontics II (1)
- 6519 Advanced Dental Materials (0.5)
- 6521 Oral Surgery II Lecture (1)
- 6522 Oral Surgery Lecture III (1)
- 6522C Periodontics Clinical II (1-2)
- 6524 Principles Of Medicine And Physical Diagnosis (2)
- 6526 Orthodontics I (1)

- 6526C Preventive Dentistry Clinical (1)
- 6526L Orthodontics I Laboratory (2)
- 6527 Therapeutics (2)
- 6531 Complete Removable Prosthodontics II Lecture (1)
- 6532C Oral Diagnosis Clinical II (1-2)
- 6534 Advanced Predoctoral Prosthodontics (1)
- 6537 Oral Oncology (0.5)
- 6538 Orthodontics II (1)
- 6542C Operative Dentistry Clinical II (1-2)
- 6551CR Oral Surgery Clinical (2)
- 6556 Radiographic Interpretation (0.5)
- 6558 Radiographic Interpretation II (0.5)
- 6559 Diagnosis And Management Of Orofacial Pain (1)
- 6562C Removable Prosthodontics Clinical II (1-2)
- 6584 Case Presentation (0.5)
- 6591C Professional Development I (1-2)
- 6592C Professional Development II (1-2)
- 6593C Professional Development III (1-2)
- 6595 Introduction To Implant Dentistry (1)
- 6600 Review Of Clinical Dentistry (1-2)
- 6601C Endodontics Clinical (1-2)
- 6602 Grand Rounds II (1)
- 6603 Grand Rounds III (1)
- 6604 Grand Rounds Iv (1)
- 6605 Review Of Clinical Dentistry II (1-2)
- 6606C Pediatric Dentistry Clinical I (1-2)
- 6607C Pediatric Dentistry Clinical Iv (1-2)
- 6609C Comprehensive Patient Care III (1-10)
- 6610 Anxiety And Pain Control In Dentistry (1)
- 6610C Comprehensive Patient Care Iv (1-10)
- 6611C Fixed Prosthodontics Clinical I (1-2)
- 6613 Periodontal Treatment Planning (1)
- 6614 Dentistry For The Special Patient (1-2)
- 6614C Comprehensive Patient Care V (1-10)
- 6617 Pediatric Dentistry Seminar (0.5)
- 6618 Dental Jurisprudence And Ethics (1)
- 6622C Periodontics Clinical Iv (1-2)
- 6626 Clinical Treatment Planning (1)
- 6630 Practice Administration I (1)
- 6631 Practice Administration II (1)
- 6632C Oral Diagnosis Clinical Iv (1-2)
- 6633 Introduction To Dental Public Health (1)
- 6634 Community-Based Dental Education I (1)
- 6635 Community-Based Dental Education II (1)
- 6636C Oral Radiology Clinical (2)
- 6641CR Operative Dentistry Clinical I (1-2)
- 6642C Operative Dentistry Clinical Iv (1-2)
- 6650 Applied Ethics (0.5)
- 6656C Orthodontic Clinical I (1)
- 6657C Orthodontic Clinical II (0.5)
- 6680 Dental Occlusion Iv (0.5)
- 6690 Independent Study In Dentistry (1-6)
- 6691C Professional Development Iv (0.5-3)
- 6692C Professional Development V (1-2)
- 6899 Required Graduate Enrollment (1)

Dental Hygiene (DHYG)

- 5500 Introduction To Educational Methodology (2-4)
- 5510 Student Teaching And Conference I (2-4)
- 5512 Student Teaching And Conference II (2-4)
- 5516 Special Issues In Higher Education For Health Professional (2-4)
- 5520 Independent Study In Hospital Dentistry (2-4)
- 5530 Clinical Instruction And Conference I (1-4)
- 5532 Clinical Instruction And Conference II (1-4)
- 5553 Seminar In Advanced Clinical Techniques And Methodologies (2-4)
- 5560 Practicum In Clinical Supervision And Management (2-4)
- 5565 Advanced Special Patient Care Practicum I (1-4)
- 5566 Advanced Special Patient Care Practicum II (1-4)
- 5570 Administrative Practicum (1-4)
- 5580 Special Topics In Dental Hygiene-Expanded Duties (3)
- 5590 Independent Study (1-4)
- 5595 Writing In Science (1-2)
- 5599 Research And Thesis (1-6)

Dentistry Biological Sciences

- 5700 Biomaterials Teaching (2)
- 5701 Engineering Principles Of Dental Materials (2)
- 5704 Temporomandibular Disorders: Evaluation And Management (2)
- 5706 Growth And Development I (1)
- 5707 Growth And Development II (1-2)
- 5710 Molecular Genetics And Biochemistry Of Cranial Facial Biology (2)
- 5711 Biochemical Endocrinology (2)
- 5730 Oral Microbiology (2)
- 5735 Advanced Immunology (2)
- 5739 Dental Biomaterials For The Dental Specialist (1)
- 5740 Oral Pathology I (2)
- 5741 Oral Pathology II (2)
- 5742 Dental Biomaterials For The Restorative And General Dentist (2)
- 5743 Advanced Seminar In Dental Biomaterials (1-2)
- 5747 Research Instrumentation Used In Dental Biomaterials (2-4)
- 5749 Special Problems In Oral Pathology (1-2)

- 5750 Special Problems In Dental Biomaterials (2-4)
- 5751 Elements Of The Scientific Method (1)
- 5752 Research Methods In Oral Biology (1-5)
- 5759 Special Problems In Pharmacology (2)
- 5760 Physiology Of Oral Hard Tissues (2)
- 5780 Teaching Of Dentistry (1-2)
- 5781 Clinical Student Teaching I (1-2)
- 5782 Clinical Student Teaching II (1-2)
- 5790 Directed Research In Oral Biology (1-6)
- 5799 Research And Thesis (1-9)
- 5801 Readings In Immunology (1-3)
- 5802 Immunopathology (2)
- 5805 Molecular Biology Of Oral Microflora (2-3)
- 5806 Oral Microbiology And Infectious Disease (1-2)
- 5830 Structural Characterization Of Dental Biomaterials (3)
- 5899 Required Graduate Enrollment (1)

ENDODONTICS

- 5701 Endodontology 1 (1-6)
- 5702 Endodontology 2 (1-6)
- 5703 Endodontology 3 (1-6)
- 5704 Endodontology 4 (1-6)
- 5705 Endodontology 5 (1-6)
- 5706 Endodontology 6 (1-6)

GENERAL PRACTICE

- 5710 Principles Of Pedodontics For General Practice (2)
- 5716 Special Problems In General Practice Dentistry I (1-6)
- 5717 Special Problems In General Practice Dentistry II (1-6)
- 5718 Special Problems In General Practice Dentistry III (1-6)
- 5721 General Practice Clinic I (1-10)
- 5722 General Practice Clinic II (1-10)
- 5723 General Practice Clinic III (1-10)
- 5724 Hospital Residency In General Practice Iv (2)
- 5725 Hospital Residency In General Practice V (4)
- 5726 Hospital Residency In General Practice Vi (4)
- 5727 General Practice Clinical Pedodontics (1)
- 5728 Dental Implantology (1)
- 5729 Oral Endosteal Implantology II (2)
- 5730 Introduction To Periodontology (1-2)
- 5731 Principles Of Minor Tooth Movement (2)
- 5732 Intravenous And Inhalation Sedation (2)
- 5740 Interdisciplinary Seminar I (1)
- 5741 Interdisciplinary Seminar II (1)
- 5742 Interdisciplinary Seminar III (1)
- 5743 Interdisciplinary Seminar Iv (1)
- 5799 Research And Thesis (1-6)
- 5899 Required Graduate Enrollment (1)

ORAL BIOLOGY

- 5699 Dissertation Research (1-12)
- 5700 Embryonic Development Of The Face And Oral Cavity (2)
- 5807 Structure And Properties Of Calcified Tissues (2)
- 5899 Required Graduate Enrollment (1)

ORAL RADIOLOGY

- 5704 Oral Radiology Residency I (1-5)
- 5705 Oral Radiology Residency II (1-5)
- 5706 Oral Radiology Residency III (1-5)
- 5707 Oral Radiology Residency Iv (1-5)
- 5708 Oral Radiology Residency V (1-5)
- 5709 Oral Radiology Residency Vi (1-5)
- 5716 Special Problems Oral Radiology I (1)
- 5720 Advanced Radiographic Anatomy (1)
- 5721 Advanced Radiographic Interpretation (2)
- 5722 Radiation Physics (2)
- 5723 Radiation Biology (2)
- 5724 Advanced Imaging Modalities (2)

ORAL SURGERY

- 5700 Principles Of Oral Surgery I (1)
- 5701 Principles Of Oral Surgery II (1)
- 5702 Principles Of Oral Surgery III (1)
- 5703 Principles Of Oral Surgery Iv (1)
- 5704 Clinical Oral Surgery I (3)
- 5705 Clinical Oral Surgery II (3)
- 5706 Clinical Oral Surgery III (3)
- 5707 Physical Diagnosis For The Oral & Maxillofacial Surgeon I (1)
- 5708 Physical Diagnosis For The Oral & Maxillofacial Surgeon II (1)
- 5709 Physical Diagnosis For The Oral & Maxillofacial Surgeon III (1)
- 5710 Physical Diagnosis For The Oral & Maxillofacial Surgeon Iv (1)
- 5711 Physical Diagnosis For The Oral & Maxillofacial Surgeon V (1)

- 5712 Physical Diagnosis For The Oral & Maxillofacial Surgeon Vi (1)
- 5713 Advanced Physical Diagnosis For Oral & Maxillofacial Surgeon I (1)
- 5714 Advanced Physical Diagnosis For Oral & Maxillofacial Surgeon II (1)
- 5715 Advanced Physical Diagnosis For Oral & Maxillofacial Surgeon III (1)
- 5716 Special Problems In Oral And Maxillofacial Surgery I (1)
- 5717 Special Problems In Oral And Maxillofacial Surgery II (1)
- 5718 Special Problems In Oral And Maxillofacial Surgery III (1)
- 5719 Special Problems - Oral & Maxillofacial Surgery Iv (1)
- 5720 Oral Surgery Hospital Residency I (1)
- 5721 Oral Surgery Hospital Residency II (1)
- 5722 Oral Surgery Hospital Residency III (1)
- 5723 Oral Surgery Hospital Residency Iv (1)
- 5724 Oral Surgery Hospital Residency V (1)
- 5725 Oral Surgery Hospital Residency Vi (1)
- 5726 Tumor Surgery Of The Head And Neck (2)
- 5727 Major Oral Surgery I (2)
- 5728 Major Oral Surgery II (2)
- 5729 General Anesthesiology And Pharmacology I (1)
- 5730 General Anesthesiology And Pharmacology II (1)
- 5731 Clinical General Anesthesiology And Pharmacology I (2)
- 5732 Clinical General Anesthesiology And Pharmacology II (2)
- 5733 Clinical General Anesthesiology And Pharmacology III (2)
- 5734 Clinical/Major General Anesthesiology And Pharmacology I (1)
- 5735 Clinical/Major General Anesthesiology And Pharmacology II (1)
- 5736 Clinical/Major General Anesthesiology And Pharmacology III (1)
- 5737 Pediatric General Anesthesiology And Pharmacology I (1)
- 5740 Oral & Maxillofacial Surgery Independent Study (1-6)
- 5752 Seminar In Oral Surgery I (1)
- 5753 Seminar In Oral Surgery II (1)
- 5754 Seminar In Oral Surgery III (1)
- 5755 Seminar In Oral Surgery Iv (1)

ORTHODONTICS

- 5704 Orthodontics And Dentofacial Orthopedics I (1-6)
- 5705 Orthodontic And Dentofacial Orthopedics II (1-6)
- 5706 Orthodontics And Dentofacial Orthopedics III (1-6)
- 5707 Orthodontics And Dentofacial Orthopedics Iv (1-6)
- 5708 Orthodontic And Dentofacial Orthopedics V (1-6)
- 5709 Orthodontic And Dentofacial Orthopedics Vi (1-6)
- 5710 Orthodontic And Dentofacial Orthopedics Vii (1-6)
- 5711 Orthodontics And Dentofacial Orthopedics Viii (1-6)
- 5726 Cephalometric I (2)
- 5727 Cephalometric II (2)

PEDODONTICS

- 5899 Required Graduate Enrollment (1)

PEDIATRIC DENTISTRY

- 5700 Principles Of Pediatric Dentistry I (1-3)
- 5701 Principles Of Pediatric Dentistry II (1)
- 5720 Pediatric Dentistry Hospital Residency I (1)
- 5721 Pediatric Dentistry Hospital Residency II (1)
- 5722 Pediatric Dentistry Hospital Residency III (1)
- 5728 Cleft Palate Problems-Team Approach (1)

PERIODONTICS

- 5700 Periodontic Residency I (1-2)
- 5701 Periodontic Residency Vii (1-6)
- 5702 Periodontic Residency II (1-6)
- 5705 Periodontal Residency III (1-6)
- 5706 Periodontics Residency III (1-6)
- 5707 Periodontic Residency Iv (1-6)
- 5708 Periodontic Residency V (1-6)
- 5709 Periodontic Residency Vi (1-6)
- 5716 Periodontic Residency Ix (1)
- 5717 Special Problems In Periodontics II (1)
- 5718 Special Problems In Periodontics III (1)
- 5719 Implantology (2)
- 5720 General Anesthesia (1)
- 5727 Introduction To Internal Medicine And Diagnosis I (1)
- 5728 Introduction To Internal Medicine And Diagnosis II (1)
- 5729 Children's Periodontics (2)
- 5730 Biology Of The Periodontium (1-2)
- 5751 Seminar In Periodontics I (2)
- 5752 Seminar In Periodontics II (2)
- 5753 Seminar In Periodontics III (2)
- 5754 Seminar In Periodontics Iv (2)
- 5755 Seminar In Current Periodontal Literature/Treatment Planning V (2)
- 5756 Seminar In Current Periodontal Literature/Treatment Planning Vi (2)
- 5757 Seminar Current Periodontal Literature & Treatment Planning Vii (2)
- 5758 Seminar Current Periodontal Literature & Treatment Planning Viii (2)
- 5799 Research And Thesis (1-6)
- 5899 Required Graduate Enrollment (1)

RESEARCH METHODOLOGY - DENTISTRY (RESME)

- 5700 Introduction To Research Methodology (2-3)
- 5701 Topics In Advanced Research Methodology (2-4)
- 5702 Special Problems In Research Methodology (2-4)
- 5703 Thesis Writing (1)
- 5704 Introduction To Biostatistics (2-3)
- 5705A Design Of Clinical Research Studies (2)
- 5705B Statistical Analysis For Clinical Research (2)
- 5705C Introduction To Statistical Software (2)

Four-Year Doctor of Dental Surgery Program

FOUR-YEAR DOCTOR OF DENTAL SURGERY PROGRAM

Four-Year Doctor of Dental Surgery Program

Four-Year Doctor of Dental Surgery Program

- Admission Information
  - GPA/College Hour Minimums
  - Pre-Dental Course Requirements
  - Dental Admission Test
  - Personal Interview
  - Candidate Subjective Criteria
  - Technical Standards
  - Notification of Admission
  - Minority Recruitment Program
  - Reserved Admission Program
  - Special Services Because of Disability
- Student Learning Outcomes
- Curriculum (Four Year Program)
- Academic Standards
- Requirements for Awarding of the D.D.S. Degree
- Cost Estimates
- Student Organizations/Activities

ADMISSION INFORMATION

Any college student or graduate can apply for admission to the four-year doctor of dental surgery program. A student should be a U.S. citizen or permanent resident of the U.S. Priority is given to Missouri residents. The School also has contractual or other agreements with the states of Kansas, Arkansas, New Mexico and Hawaii to consider qualified residents for acceptance from those states. Preferred consideration will be gien to applicants who are residents and high school graduates of the states listed above. Other e

Candidates may be considered for acceptance after successful completion of a minimum of 90 hours of college credit. After completion of a minimum of 120 hours of college credit, the accepted applicant will be eligible to enroll in the School of Dentistry. All candidates for this program are encouraged to complete a baccalaureate degree before entry. In fact, college degree-holders with a broad educational background are the preference of the Dental Student Admission Committee.

Admission is on a selective basis and requires more than meeting course or college-hour requirements. Factors considered in the selection process are the candidates' academic credentials, including Dental Admission Test (DAT) scores, letters of evaluation, personal interview, evidence of the subjective criteria identified in a later section, and all other information submitted by the candidates.

Those who want to apply for admission must apply online through the AADSAS Application Service administered by the American Dental Education Association at http://www.adea.org/. Candidates must submit applications no later than Oct. 1 of the year prior to desired enrollment. **Sept. 1 is the UMKC preference deadline date to receive application materials.** Approximately 100 candidates are admitted to the D.D.S. program annually.

Counseling by the School of Dentistry's admissions staff is available to those interested in applying for admission. It is advisable to seek this counseling early in the college program.

GPA / COLLEGE HOUR MINIMUMS

The following are the Dental Student Admission Committee's guidelines for GPA/college semester credit hour/Dental Admission Test (DAT) minimums and preferences:

- Preference will be given to candidates with 90 or more semester hours of college credit at the time of application with a science GPA of 3.40 or higher and/or a DAT academic average of 17 or higher - the overall GPA will be considered although it will not receive the same weight as the science GPA.
- A candidate with 90 or more semester hours of college credit at the time of application with a science GPA of 3.00 and a DAT academic average of 16 or higher can be considered for an interview - the overall GPA will be considered although it will not receive the same weight as the science GPA.
- **The minimum science GPA which will be considered for an interview is 3.0.**
- For applicants from one of our five states (Missouri, Kansas, Arkansas, New Mexico or Hawaii), the minimum DAT academic average which will be considered for an interview is 16.
- It should be noted that no more than 60 hours of college credit can be earned at a community college and preference will be given to candidates who complete the science prerequisites at a four-year institution.

A broad liberal education culminating in a bachelor's degree is strongly encouraged of applicants seeking admission into this program. Recent history indicates that admission of a candidate who does not have a B.S./B.A. degree or who is not likely have one at the time of enrollment in the D.D.S. program is rather rare.

PRE-DENTAL COURSE REQUIREMENTS

There is no required college major for admission to the School of Dentistry. However, certain courses are required prior to entering:

Biology

A minimum of four semesters of biology with labs. In particular, we require general biology I, anatomy, physiology and cell biology. Other courses that have counterparts in the dental curriculum (i.e., histology, neuroscience, microbiology) are strongly recommended.

Chemistry

A minimum of two semesters of general chemistry with labs (Chemistry I and Chemistry II).

A minimum of two semesters of organic chemistry with labs (Organic Chemistry I and Organic Chemistry II).

Physics

- A minimum of two semester of physics with labs (Physics I and Physics II).

English

A minimum of 6 credit hours of English composition. (Courses in speech are not acceptable as substitutes for English composition.)

Other

It is advantageous to have course credit in mathematics, formal logic, biochemistry, business, social/behavioral sciences (such as psychology), communication skills, computer science, the humanities and applied arts (such as sculpting, jewerly making, etc.).

DENTAL ADMISSION TEST

All dental school applicants must take the Dental Admission Test (DAT) that is administered by the American Dental Association. Although the DAT is given throughout the year by computer at designated testing centers, **the test must be taken prior to submitting the AADSAS application.**

DAT scores are based on a range of 1 to 30, with 18.5 generally being the national average. The Dental Student Admission Committee prefers that a candidate's DAT scores be 17 or higher to be considered for admission.

For more information or to request a DAT application, contact the School of Dentistry's Office of Student Programs at (816) 235-**2080** (local) or (800) 776-8652 (toll-free).

PERSONAL INTERVIEW

A personal interview at the School of Dentistry is required of applicants completing the necessary college hours, grade-point average and DAT requirements. The interview is by invitation only, an applicant for admission may not request it.

CANDIDATE SUBJECTIVE CRITERIA

When considering candidates for possible admission, the UMKC School of Dentistry's Dental Student Admission Committee (DSAC) reviews the entire scope of information that is available on each applicant. For each candidate the sources of this information include the academic record (i.e., overall GPA, science GPA and last 30 semester credit hours GPA, Dental Admission Test scores), AADSAS essay, responses to items on the UMKC School of Dentistry's Application Survey, letters of reference, interview assessment, and any other information provided by the candidate (e.g., personal statement). Specifically, the committee will expect evidence of the following factors in making the difficult choices among candidates:

1. Demonstrated investigation of the profession of dentistry. It is strongly suggested that candidates observe in a minimum of five different dental offices (the offices of general dentists and specialists) and acquire a minimum of 80-100 hours of dental office observation, preference is given to candidates who have worked in a dental office.
2. Evidence of social conscience and compassion (i.e., caring attitude, sensitivity to those in need, significant community activities). It is strongly suggested that this be active and ongoing participation in volunteer activities.
3. Indication of fundamental personal character (i.e., integrity, maturity, self-reliance, leadership skills).
4. Evidence of critical thinking and problem solving ability (e.g., performance in courses requiring this skill such as in laboratory segments, in formal logic or in research experiences).
5. Significant and sustained level of academic achievement based on full course loads with evidence of a broad science and liberal arts education (i.e., fine arts, business, mathematics, humanities, computer science, etc.).
6. Established effective interpersonal/communication skills (i.e., an ability to communicate orally and in writing, a capacity to listen, a personality conducive to forming personal and/or professional relationships, an involvement in a range of extracurricular activities, especially those in which significant leadership roles have been taken).
7. Demonstrated ability to balance full academic schedules with extracurricular involvement and/or employment (i.e., effective/efficient management of time).

Because the Dental School Admission Committee looks closely at information from all sources included in an applicant's file, it is in the candidate's best interest that this information is consistent among sources. This is especially true with information supplied directly by the candidate (i.e., AADSAS essay, UMKC School of Dentistry's Application Survey, interview and/or personal statement). You are strongly encouraged to review all written materials for consistency and accuracy before submission.

Finally, before developing these written materials, the candidate is strongly encouraged to honestly and critically assess himself/herself on all the qualities identified. Following this process, the candidate is urged to review drafts of these documents collectively (e.g., to check for completeness, accuracy and consistency) and to evaluate himself/herself comprehensively as if he/she were a member of the Dental Student Admission Committee. Where the candidate feels a question may arise from Committee review, the applicant is encouraged to address this in a personal statement/letter to the Committee.

TECHNICAL STANDARDS

The dental degree signifies that the holder is a dentist who has received sufficient training in dental education to practice dentistry. It follows that graduates must have acquired and demonstrated the knowledge, skills and abilities to function in a broad variety of clinical situations and to render a wide spectrum of dental care.

While each application is reviewed individually, it is necessary that each candidate be able to observe and perform each task required by the curriculum of the school. Similarly, the school does not consider the waiver of required examinations a reasonable accommodation for individuals with learning disabilities. Learning disabled students, when appropriate, may be granted additional time on required examinations, be examined in separate testing facilities, or accommodated in other reasonable ways, but they will not be exempted from the requirement to take and pass such examinations. (Candidates with disabilities should contact the UMKC Disabled Student Services for information regarding definition and documentation of learning disabilities.)

Candidates for admission into the D.D.S. program must possess abilities and skills in the following areas to satisfactorily complete the curriculum:

Observation

Candidates must be able to accurately observe laboratory experiments, preclinical demonstrations, clinical laboratory procedures and patient-care activities.

Communication

Candidates must be able to communicate effectively and sensitively with patients and with all members of the health care team.

Motor

Candidates must have physical dexterity to master all aspects of patient care. They must be able to execute motor movements required to arrive at a diagnosis and treatment plan, and to provide patient care, including emergency treatment.

Intellectual-Conceptual, Integrative and Quantitative Abilities

A candidate must have intellectual-conceptual, integrative and quantitative abilities that include measurement, calculation, reasoning, analysis and synthesis. Problem solving, one of the critical skills demanded of dentists, requires all of these intellectual abilities. In addition, the candidate must be able to comprehend three-dimensional relationships and understand the spatial relationship of structures.

Emotional and Behavioral Attributes

In addition to these skills, candidates must possess the high moral and ethical standards demanded of dentists and must possess the capability required for full utilization of intellectual abilities, the exercise of good judgment, the prompt completion of responsibilities attendant to the diagnosis, treatment planning and care of patients, and the development of mature, sensitive and effective professional relationships with patients. Candidates must be able to cope with taxing workloads and to function effectively under stress. A candidate must also be able to adapt to changing environments, to display flexibility and to learn to function in the face of uncertainties in the clinical problems of many patients. In addition, personal qualities such as compassion, integrity, concern for others, interpersonal skills, interest and motivation should be assessed during the admissions and education processes. Technological accommodation can be made for some inadequacies in certain areas, but a candidate must be able to perform in a reasonably independent manner.

NOTIFICATION OF ADMISSION

Applications for admission are reviewed by the Dental Student Admission Committee. In accordance with the guidelines of the American Dental Education Association, no notification of the admission decision is made to a candidate before Dec. 1 of the academic year prior to that applicant's class graduation date.

Formal Notification

After a decision is reached on an application, notification of acceptance is made by mail. The applicant has 45 days from the date of an acceptance letter to make a required nonrefundable $200 deposit. If notification of acceptance is made after Jan. 1, the candidate must submit the deposit within 30 days of the date of acceptance.

Several individuals are placed on a list of alternates. In the event that a position becomes available, an applicant from this list is chosen to fill the vacancy. Notification of alternate status will be sent by mail.

Notification of denial is also sent by mail. If applicants are interested in reapplying, they should make an appointment with a School of Dentistry director of admissions to discuss the reason for the denial. An explanation of the admission decision and advice will be offered to applicants to enhance their future applications.

MINORITY RECRUITMENT PROGRAM

The School of Dentistry has an active recruitment program to encourage and assist qualified minority students, particularly those from under-represented groups in the dental profession, to pursue careers in dentistry. Native Americans, African Americans and Hispanics are strongly encouraged to seek admission to the school.

RESERVED ADMISSION PROGRAM

The Reserved Admission Program for the Doctor of Dental Surgery degree at the UMKC School of Dentistry enables highly motivated, ambitious, talented students to pursue their dream of becoming a dentist. Entry into the program is available to students from Missouri and Kansas who are in the early years of their undergraduate education.

This program is composed of three stages with the first two stages requiring formal application and review. The first stage is acceptance as a Provisional Reserved Admission Program Student. This step may be accomplished immediately following the completion of a minimum of but not more than four semesters of college credit while being continuously enrolled in full-time course loads. In the second stage, Provisional Reserved Admission Program Students apply for full Reserved Admission status at the end of their undergraduate sophomore year. Students with full admission into the Reserved Admission Program are assured a seat in the D.D.S. class matriculating in August following the completion of their undergraduate studies, provided they meet the criteria for maintaining their status. The third stage is matriculation at the School of Dentistry.

For more information about this program or to request an application, contact the School of Dentistry's Office of Student Programs.

SPECIAL SERVICES BECAUSE OF DISABILITY

Federal law prohibits UMKC and the School of Dentistry from making pre-admission inquiry about disabilities. Information regarding disabilities given voluntarily or received inadvertently will not adversely affect any admission decision. Any accepted applicant requiring special services because of disability should notify the School of Dentistry's Assistant Dean for Student Programs. This voluntary self-identification of disability allows the School of Dentistry to prepare appropriate support services to facilitate learning.

COST ESTIMATES

The estimated cost (exclusive of living costs) for the four-year D.D.S. curriculum at the School of Dentistry is $129,616. The amount is based on fees established and costs existing at the time of printing. This is itemized by type of expense and by year.
Note: Educational fees and books/equipment costs are subject to change without notice.

First Year (Fall and Spring Semesters)

	Books, Equipment and Supplies	$7,383
Educational Fees (Resident)	23,648	
First-Year Total	$31,031	

Second Year (Fall and Spring Semesters)

	Books, Equipment and Supplies	$7,312
Educational Fees (Resident)	23,648	
Second-Year Total	$30,960	

Third Year (one 13-week Summer term plus Fall and Spring Semesters)

	Books, Equipment and Supplies	$5,205
Educational Fees (Resident)	29,560	
Third-Year Total	$34,765	

Fourth Year (one 13-week Summer term plus Fall and Spring Semesters)

	Books, Equipment and Supplies	$3,300

Educational Fees (Resident)	29,560
Fourth-Year Total	$32,860
Four-Year Total	$129,616

Non-resident students (those not from Missouri, Kansas, Arkansas or New Mexico) are assessed an additional $11,299 each fall and spring semester and $5,650 for each of the two summer terms.

STUDENT ORGANIZATIONS / ACTIVITIES

Dental students qualify for membership in a variety of student organizations. Most are affiliated with national dental organizations. Students can also participate in other non-dentistry oriented organizations.

Advanced Education Programs

ADVANCED EDUCATION PROGRAMS

Chair, Advanced Education Committee:
Brett Ferguson, B.S., D.D.S.

The School of Dentistry offers advanced education curricula leading to graduate certificates in each of six clinical dental specialty areas (endodontics, oral and maxillofacial radiology, oral and maxillofacial surgery, orthodontics and dentofacial orthopedics, pediatric dentistry, and periodontics), certificates in general dentistry, and master of science degrees in either oral biology or dental hygiene education. The School participates in the Interdisciplinary Ph.D. program through the Department of Oral Biology. Oral Biology's research focus areas are: Biomaterials/Bioengineering of Biological Tissues & Replacements, Mineralized Tissue Biology and Translational and Clinical Research.

- Application Information
- Financial Assistance
- Enrollment Fees
- Academic Standards/Procedures: Advanced Education/Graduate Students
- Students in Cooperative Programs
- Dental Graduate Certificate Programs
  - Application Deadline
  - Requirements and Procedure for Admission
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    - Advanced Education in General Dentistry
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    - Orthodontics and Dentofacial Orthopedics
    - Pediatric Dentistry
    - Periodontics

APPLICATION INFORMATION

Applicants to any advanced education program of the School of Dentistry must submit all of the following information:

1. Curriculum vitae.
2. Original essay of one page describing their professional goals.
3. Reference (by a minimum of three individuals capable of evaluating the academic potential of the candidates for advanced education program study);
4. Transcripts (from undergraduate, dental, graduate and professional schools attended).
5. National board scores.
6. Class rank in dental school (if applicable).

Additional information, as identified below, must be supplied by international student applicants:

1. TOEFL scores (minimum of 550 on the paper test or 213 on the computer based version) or a demonstrated proficiency in the English language (if English is not the primary language of the applicant).
2. Financial statement (guarantee of full financial support or of sufficient financial resources *for the entire cost of the program, including living expenses).*

Advanced education programs (except where indicated) accept the UMKC Application Form. International applicants must use the UMKC International Application for Admission. These forms are available from the Office of Student Programs of the School of Dentistry or at the www.umkc.edu/dentistry/assets/forms/advancededucation.htm Web site. The application and required supporting documents should be sent to the chairman of the Advanced Education Committee, c/o Office of Student Programs, at the address at the beginning of this section.

In addition, the programs in advanced education in general dentistry, oral and maxillofacial surgery, and pediatric dentistry also accept the Postdoctoral Application Support Services (PASS) application. Information on the application support service and application form is available from the Office of Student Programs of the School of Dentistry at the address at the beginning of this section, at http://www.adea.org, and at the admissions phone numbers at the beginning of this section. All required PASS materials should be submitted with the completed PASS application to:

PASS
1625 Massachusetts Ave. N.W.
Suite 101
Washington, D.C. 20036

The remainder of the information required by the advanced education programs should be sent to the Office of Student Programs.

General questions concerning advanced education programs should be directed to the chairman of the Advanced Education Committee at the mailing address at the beginning of this section or at (816) 235-**2119**. However, specific questions regarding any advanced education program should be directed to the pertinent program director. Graduate program directors along with their telephone numbers are identified in a subsequent section.

FINANCIAL ASSISTANCE

Eligible advanced education students (i.e., those who have earned a D.D.S. or D.M.D. degree from a Commission on Dental Accreditation or Canadian Dental Accrediting Commission accredited program or who hold valid licenses to practice dentistry in one or more states of the United States) in the graduate certificate program of endodontics, general dentistry, oral and maxillofacial radiology, oral and maxillofacial surgery, orthodontics and dentofacial orthopedics, pediatric dentistry and periodontics receive an annual financial assistance based on patient treatment fees.

Eligible graduate students in general dentistry, orthodontics and dentofacial orthopedics, periodontics and endodontics, participate in an incentive-based clinical income sharing

program; 33 percent of the net fees *collected* for clinical treatment provided by a resident in one of these programs will be paid to the student. Net *collected* clinical fees are defined as gross clinical fees *collected* less scheduled laboratory fees incurred as a part of the treatment procedures and less any waivers granted (except those authorized for payment to the resident by the assistant dean for clinical programs).

Financial aid for advanced education students is also available in the form of a limited number of Chancellor's Non-Resident Awards or graduate research assistantships. The Chancellor's Non-Resident Award provides for the non-resident tuition only (i.e., the difference between Missouri resident and nonresident fees), while the graduate research assistantship includes a stipend plus an award equivalent to the basic education fees (at regular graduate student fee rate and *not* at the graduate dental student fee rate) for 6 hours of graduate credit for both fall and spring semesters. Both categories of awards are made on a competitive basis, with quality of academic record as a major criterion. History of research experience or potential for research in the graduate program also serves to identify candidates for the graduate research assistantship.

Other forms of financial aid may be available from federal loan programs (depending on whether or not lending limits have been reached) or from other funding agencies.

ENROLLMENT FEES

Below are outlined the various enrollment fees per term for all advanced education programs at the School of Dentistry except those for the M.S. in oral biology, the Interdisciplinary Ph.D. and the M.S. in dental hygiene education programs (see subsequent part of this catalog section). These fees assume enrollment in three or more credit hours for the summer session, and six or more credit hours for each of the fall and spring semesters. Most programs require fewer credit hours than those per term.
Note: Indicated fees are correct at time of printing. However, fees are subject to change without notice.

Summer Term

Educational Fee (Resident)	$2,623.50
Educational Fee (Non-resident)	$5,237.70
Activity/Building/Computing/Health Fees	$106.63

Fall/Spring Semester (Each)

Educational Fee (Resident)	$ 5,247.00
Educational Fee (Non-resident)	$10,475.40
Activity/Building/Computing/Health Fees	$214.85

STUDENTS IN COOPERATIVE PROGRAMS

Students enrolled in programs (e.g., Pediatric Dentistry, Oral and Maxillofacial Surgery) operated jointly by the School of Dentistry and other institutions, such as Children's Mercy Hospital and Truman Medical Center, must remain in good standing with both organizations cooperating in the program. A student who is dismissed by either of the cooperating institutions is ineligible to continue in the program.

DENTAL GRADUATE CERTIFICATE PROGRAMS

A graduate certificate program is offered in each of the following areas:

- Advanced Education in General Dentistry
- Endodontics
- Oral and Maxillofacial Radiology
- Oral and Maxillofacial Surgery
- Orthodontics and Dentofacial Orthopedics
- Pediatric Dentistry
- Periodontics

General Nature of Programs

Each certificate program curriculum is designed to prepare the student for specialty practice and to help the student meet the educational training requirements for examination by the appropriate American dental specialty board. All programs begin with the summer term (the first week of July) except for graduate dental hygiene education, which begins with the fall semester. Programs vary in length from 12 to 72 months.

APPLICATION DEADLINE

Application deadline dates for graduate dental certificate programs are as follows:

Advanced Education in General Dentistry	**- October 1**
Endodontics	**- August 15**
Oral and Maxillofacial Radiology	**- Open**
Oral and Maxillofacial Surgery	**- August 15**
Orthodontics	**- September 5**
Pediatric Dentistry	**- October 15**
Periodontics	**- September 1**

This deadline date for receipt of applications at the school is one year before the anticipated enrollment in the program.

Graduate dental certificate programs in endodontics, orthodontics and dentofacial orthopedics, oral and maxillofacial radiology and periodontics, require the UMKC application and the associated supplemental information that was previously indicated. This application material should be sent to:

Chairman, Advanced Education Committee
c/o Office of Student Programs
UMKC School of Dentistry
650 E. 25th St.
Kansas City, MO 64108-2795

The remaining graduate dental certificate programs (i.e., advanced education in general dentistry, oral and maxillofacial surgery, and pediatric dentistry) require either a UMKC application (and associated supplemental information) or application through the Postdoctoral Application Support Services (PASS). A completed PASS application and other materials required by the service should be sent to the address given on the application or as provided earlier. **The PASS application should not be sent to UMKC**. Be aware that approximately three weeks is required by the service to process PASS applications and deliver them to the designated programs. The length of this processing period should be considered by the candidate in order to meet relevant application deadlines.

The graduate certificate programs in oral and maxillofacial surgery, orthodontics and dentofacial orthopedics and pediatric dentistry participate in the National Matching Services (MATCH) process. Candidates to these programs must also submit to MATCH completed Applicant Agreement and Rank Order List forms by the deadline dates established by MATCH. There are two phases of the MATCH process, each with its deadline date for receipt of Rank Order List forms from applicants. The Phase I deadline (typically toward the end of November each year) is for applicants to the orthodontics and dentofacial orthopedics program. The Phase II deadline (typically in the middle of January annually) is for those applying for admission to the oral and maxillofacial surgery and pediatric dentistry programs.

Necessary forms to participate in the MATCH process may be obtained from:

National Matching Services
595 Bay Street
Suite 300
Toronto, Ontario M5G 2C2

Requirements and Procedure for Admission

Admission to a graduate dental certificate program is competitive. Primary focus is on the applicant's academic record while in dental school, including national board scores. Emphasis is also placed on information gathered from letters of evaluation and curriculum vitae (such as quality of professional practice experience, continuing education experience, research activities, leadership and involvement and participation in professional societies and community service). Another fundamental source of information is supplied by a personal on-site interview that is required of most programs and is by invitation.

Applicants to a graduate dental certificate program must hold a D.D.S. degree or equivalent from a program accredited either by the Commission on Dental Accreditation (CDA) or the Canadian Dental Accrediting Commission (CDAC). **Graduate of foreign dental schools, however, are eligible to apply for admission only to the certificate programs in oral and maxillofacial radiology**.

Admission

The Advanced Education Committee (AEC) serves as the admission review board for each of the graduate dental certificate programs. Each program has its own admission review board. At a minimum, the admission review board consists of the respective program director and at least two other full-time faculty members.

Each program's admission review board submits its recommendations for acceptance to the AEC for consideration. Recommendations for acceptance include those identified as prime candidates (equal in number to the number of available residencies in the program) and those who serve as "alternates." Acceptance or denial of each recommended candidate is made by the AEC.

Advanced Education in General Dentistry

Director:

John W. Thurmond, D.D.S., M.S., Diplomate, American Board of General Dentistry

Faculty:

Dean A. Elledge, D.D.S., M.S., Frank B. Gardner, D.D.S., Sam E. Hayes, D.D.S., Steven A. Mantegari, D.D.S., David L. Moore, D.D.S., M.D., Clarence E. Simmons, D.D.S., David J. Thein, D.D.S., M.S.D., Gregory A. Thompson, D.D.S.

The advanced education in general dentistry program is a 12-month program beginning in July for eight residents and is designed to refine and advance knowledge and clinical competency and proficiency in the practice of general dentistry. The program bridges the gap between dental school and dental practice. Clinical instruction is offered in all of the clinical disciplines. The didactic component provides postgraduate training in the basic and behavioral sciences, as well as the clinical sciences and practice management. Upon completion of this program a certificate in general dentistry will be awarded.

An optional second year of residency is offered for two students. The emphases during this year of the program are in advanced restorative and implant dentistry.

Student Learning Outcomes

Residents on completion of the AEGD program will have the knowledge and experience to provide comprehensive multidisciplinary oral health care at a level of skill and competency beyond that achieved in their pre-doctoral training. It is expected that they will be able to provide this care to a broad and diverse patient population which includes the medically compromised and those with special needs.

The objectives of the didactic and clinical experiences is to broaden and strengthen the scope and level of residents competencies and proficiencies in the practice of dentistry.

Patients are treated in a comprehensive manner with clinical emphasis on:

- Diagnosis and treatment planning of complex and multidisciplinary cares.
- Management of oral facial pain including the TMJ patient.
- The importance of occlusion in all aspects of dentistry.
- Comtemporary endodontics and periodontics.
- Oral surgery including surgical principles and techniques for dental implants.
- Current esthetic dentistry techniques.
- Advanced restorative/prosthodontic treatment including dental implants.

Educational formats used are: formal courses, lectures, seminars, literature reviews, assigned readings, hands-on courses, case presentation, attendance at continuing education, guest speakers, treatment planning conferences, clinical demonstrations and chairside clinical teaching.

Eligibility

An applicant for this program must be a citizen of the United States or a foreign national having a visa permitting permanent residence in the United States. Applicants must also submit evidence of graduation from a school of dentistry accredited by the Commission on Dental Accreditation or the Canadian Dental Accrediting Commission, or verification from the dean of an accredited dental school that the applicant will graduate during the current academic year.

Tuition and Fees

Estimated school tuition can be obtained at the Advanced Education Enrollment Fees section of this catalog. If selected for the program there is a $500 nonrefundable acceptance fee which must be paid within two weeks of the time of acceptance of the position. More information will be provided to the applicant once he/she is accepted into the program.

Financial Assistance

Up-to-date additional information on financial assistance can be obtained at http://www.sfa.umkc.edu

Stipend

No stipend is available. Residents receive income generated from their clinical practice of general dentistry. The income paid is approximately 33 percent of the net fees collected for clincial treatment they provide in the program. Net collected clinical fees are defined as gross clinic fees collected, less scheduled laboratory fees incurred as a part of the treatment procedures, and/or less any fee waivers granted (see also Financial Assistance section)

Applications

Application to this program is either through UMKC or through the Postdoctoral Application Support Services (PASS). Use the link www.umkc.edu/dentistry/assets/forms/advancededucation.htm for greater detail on both. The deadline for receipt of application at the school is Oct. 1 of the year prior to planned enrollment.

Interview

Competitive applicants will be invited to Kansas City for an interview with the program director and other selected faculty and staff. If invited, the interview is a required part of the application process and funding is the responsibility of the applicant.

Point of Contact

To request further information, please contact either the Office of Student Programs at (816) 235-**2080** or dds@umkc.edu; or the program director, Dr. John W. Thurmond at (816) 235-**2164** or thurmondj@umkc.edu.

ENDODONTICS

Director:

James C. Kulild, D.D.S., M.S., Diplomate, American Board of Endodontics

Faculty:

James A. Dryden, D.D.S., M.S., Diplomate, American Board of Endodontics, Ron Riley, D.D.S., Diplomate, American Board of Endodontics; Charles Lee, D.D.S., Felix G. Quiason, D.D.S., Edward W. Grimes, D.D.S., Diplomate, American Board of Endodontics; Jim Tinnan, D.D.S., Diplomate, American Board of Endodontics; Robert H. Altomare, D.D.S., Barton W. Putnam, D.D.S.; Dan Lavitt, D.D.S., M.S., Diplomate, American Board of Endodontics

Program Overview

The endodontics postgraduate program is designed to prepare a dentist for a career in clinical endodontics, research and teaching. The overall goal is to educate dentists to become competent clinical endodontists who will serve the public and the profession at a high level of excellence. It stresses the importance of knowledge and skills in the diagnosis, prevention, and treatment of diseases associated with the dental pulp and related periapical tissues. Didactic and clinical training is also conducted in other related areas within the scope of practice of the field of endodontics as established by the Endodontic Standards of the Commission on Dental Accreditation. The correlation of basic sciences and clinical sciences is an integral part of the program. A research project is required and comprehensive examinations must be successfully completed. The program is also designed to prepare the graduate endodontist to challenge the requirements for certification as a Diplomate by the American Board of Endodontics. Individuals who successfully complete this advanced education program will be awarded a Certificate in Endodontics.

Student Learning Outcomes

The following listing of skills required by the Standards for Advanced Specialty Education Programs in Endodontics are assessed through seminars, examinations, one-on-one discussions, papers, presentations, laboratory exercises, mock board exercises, and clinical care on patients.

The graduate will demonstrate applied knowledge and clinical skills in the following areas:

1. Anatomy of soft and hard tissues of the head and neck with particular emphasis on the teeth and their supporting structures.
2. Embryology, histology and physiology of the pulpal/periradicular complex.
3. Microbial ecology of the oral flora and the microbiologic aspects of caries, and pulpal and periradicular diseases.
4. Infectious and immunologic processes in oral health and disease.
5. Pathophysiology as is relates to diseases of the pulpal/periradicular complex and orofacial pain.
6. Mechanisms of inflammation and wound healing with emphasis on the pulpal/periradicular/periodontal complex.
7. Oral medicine and pathology as they relate to the differential diagnosis and management of clinical conditions that may require endodontic treatment.
8. Pharmacotherapeutic agents used in the management of systemic diseases that may influence the management of patients requiring endodontic treatment.
9. Mechanisms, interactions and effects of drugs used in the prevention, diagnosis and treatment of pulpal and periradicular pathoses.
10. Principles of biostatistics, research design, research methodology, scientific writing, and critical evaluation of the literature.
11. Biomaterial science as it relates to endodontics.
12. Collect, organize, analyze and interpret data from the medical and dental histories and clinical evaluation to determine their relationship to the patient's endodontic treatment.
13. Perform tests and clinical examinations and interpret the significance of the data in the differential diagnosis of clinical conditions arising from injury to the pathosis of pulp and periradicular tissues.
14. Expose, process and interpret radiographs and/or take and interpret digital images.
15. Establish differential interpretations of lesions and normal anatomic structures through radiographs or digital images.
16. Formulate a diagnosis, prognosis, and treatment plan for conditions that require endodontic treatment in support of the total oral health of the patient, requesting information/consultation from other healthcare professionals as needed.
17. Provide appropriate emergency treatment to relieve pain and resolve infections of endodontic origin.
18. Recognize and manage, or prevent, endodontic pain and associated anxiety using physical, chemical and psychological modalities.
19. Provide nonsurgical and surgical endodontic treatment.
20. Retreat endodontically-treated teeth using both non-surgical and surgical techniques.
21. Evaluate the results of endodontic treatment and determine whether additional evaluation/treatment is required.
22. Provide space for intraradicular restorations and cores in endodontically treated teeth.
23. Communicate to patients the nature of their endodontic conditions and the value of treatment to their overall oral health.
24. Communicate with other health care professionals, interpreting their assessments and integrating this information into the treatment of the patient.
25. Provide vital pulp therapy.
26. Perform root-end closure procedures.
27. Evaluate, diagnose and manage traumatic injuries to teeth and their supporting structures.
28. Provide endodontic treatment for the medically compromised patient.
29. Develop a differential diagnosis of orofacial pain.
30. Diagnose and treat periodontal disease and defects in conjunction with the treatment of the specific tooth undergoing endodontic therapy; treatment should be provided in consultation with the individuals who will assume the responsibility for the completion or supervision of any additional periodontal maintenance or treatment.
31. Place intraradicular restorations and cores in endodontically treated teeth; when the patient is referred, this treatment is accomplished in consultation with the restorative dentist.
32. Perform non-surgical and surgical endodontic procedures using microscopy.
33. Perform intracoronal bleaching procedures.
34. The history of endodontics, teaching methodology, ethics.
35. Endodontic endosseous implants, osseointegrated implants and techniques for placement of implants, and orthodontic extrusion procedures.

Accreditation

The program in endodontics is accredited by the Commission on Dental Accreditation and has been granted the accreditation status of "approval without reporting requirements". The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611.

Eligibility

An applicant for this program must be a citizen of the United States or a foreign national having a visa permitting permanent residence in the United States. Applicants must also submit evidence of graduation from a school of dentistry accredited by the American Dental Association or the Canadian Dental Association.

Program Duration

The 24-month program covers six continuous semesters and begins on July 1.

Number of Residents

There are generally two first-year and two second-year residents.

General Applicant Information

Applicants must have successfully completed Part I of the National Dental Board at the time of application and Part II by the time of matriculation. Applicants must have

demonstrated English reading, writing and speaking proficiency and a minimum score of 550 on the TOFEL examination. Applications must be submitted using applications furnished by the Office of Student Programs, UMKC School of Dentistry. Use the link www.umkc.edu/dentistry/assets/forms/advancededucation.htm to receive a brochure describing the program and application materials. The program deadline date for receipt of all completed application materials is Aug. 15.

Graduate Medical Education (GME) Stipends

Currently, residents are eligible for GME stipends of approximately $21,000 per year. This is a federal, not School of Dentistry, program and is subject to current federal guidelines and availability of funds.

Income from Endodontics Program Practice

Residents will be paid approximately 33 percent of the net fees collected for clinical treatment they provide in the program. Net collected clinical fees are defined as gross clinic fees collected, less scheduled laboratory fees incurred as a part of the treatment procedures, and/or less any fee waivers granted. Generally, this amounts to between $20,000-$30,000 additional income per year.

Extramural Employment

Residents are not allowed to practice outside of the endodontic program.

Tuition and Fees

Estimated school tuition costs can be found in the Fees section of this catalog. If selected for the program, there is a $1,000 nonrefundable acceptance fee which must be paid within two days of the time of acceptance of the position. More information will be provided to the applicant once he/she is accepted into the program.

Instruments and Equipment

Residents will be required to lease their dental instruments through the school and purchase some other instruments and equipment. The school employs a centralized sterilization program for the lease instruments. Additionally, each resident is required to purchase an endodontic operating microscope head with beam splitter and attachment to accommodate a minimum 4 mega pixel digital camera which must also be purchased. A list of other required instruments and textbooks will be provided when an applicant is selected to attend the program. Estimated cost for purchases for the 24-month program are approximately $20,000. Estimated lease expenses are approximately $6,400 for the 24-month program, $1,600 per each fall and spring semesters. Currently, there are no charges for leased instruments for the summer semesters.

Postgraduate Endodontic Clinic

The postgraduate endodontic clinic is a true state-of-the-art facility made possible by the generous donations of Mrs. Virginia Stowers, Dr. Ben Johnson, and other benefactors. All rooms are equipped with resident-purchased dental operating microscopes. Each room has its own x-ray head, Adec track light system, and ASI dental unit carts complete with air-driven high and low speed fiber optic handpieces, two electric handpieces, two ultrasonics, dual micro irrigators, micro air syringes, and curing light. The program is linked into the all-electronic paperless patient record management system which also integrates the digital x-ray sensors available in each operatory. Please go to the clinic web page at http://dentistry.umkc.edu/bec_patient/endodontics.htm for a 360 degree photo tour. Also please see http://dentistry.umkc.edu/bec_patient/stowers.htm for more information about faculty, residents and staff.

Study Areas

Residents have excellent dedicated office space with high-speed computer and printer support connected to a high-speed LAN. The program also has a dedicated seminar room for literature reviews, case presentation, lectures, etc.

Financial Assistance

Up-to-date additional information on financial assistance can be found in the School of Dentistry portion of the Financial Aid Charts at http://www.sfa.umkc.edu/.

Interview

Competitive applicants will be invited to Kansas City for an interview with the program director and other selected faculty and staff. If invited, the interview is a required part of the application process, and travel expenses are the responsibility of the applicant.

Point of Contact

To request further information, please contact either the Office of Student Programs at (816) 235-**2080** or dds@umkc.edu; or the program director, Dr. James C. Kulild, at (816) 235-**2749** or kulildj@umkc.edu.

ORAL AND MAXILLOFACIAL RADIOLOGY

Director:
Jerald O. Katz, D.M.D., M.S., Diplomate, American Board of Oral and Maxillofacial Radiology
Faculty:
Anas Athar, B.D.S., D.D.S., Vandana Kumar, B.S.D., M.S., Diplomate, American Board of Oral and Maxillofacial Radiology, Richard Massoth, Ph.D.

Stipend
Students may be eligible for a stipend. Contact program director for details.

The 24-month program begins July 1 and leads to certification in oral and maxillofacial radiology. The 30-month program leads to certification in oral and maxillofacial radiology and a master of science degree in oral biology. A separate application process is required for admission into the master's program.

The curriculum is designed so that at the completion of the program, the graduate will be eligible to take the American Board of Oral and Maxillofacial Radiology exam. If accepted into the master of science in oral biology program, additional courses and original research are required. On satisfactory completion of a thesis and the required courses, the master of science degree will be awarded.

One student is accepted into the program per year. Applicants with a D.D.S./D.M.D. degree from a school accredited by the American Dental Association or Canadian Dental Association are preferred. Graduates of dental programs not so accredited will be considered on a case-by-case basis.

Student Learning Outcomes

The following learning outomes have been adopted by the faculty as the skills and knowledge that must be demonstrated by every student to qualify for graduation. These outcomes are assessed in the classroom, laboratory and clinic using examinations, papers, presentations and review of clinical performance. Graduates should be able to:

- Determine appropriate imaging examinations, based on clinical examination and interpretation of medical and dental history.
- Utilize conventional and advanced imaging modalities in the oral and maxillofacial region. Make and interpret images of the oral and maxillofacial region and produce written interpretive reports.
- Conduct research related to oral and maxillofacial radiology.
- Teach physical and biological principles of radiology as relates to dentistry.
- Serve as consultant to medicine and dentistry concerning issues related to oral and maxillofacial radiology.
- Assess radiation safety and protection in the dental practice environment.
- Maintain proficiency in the specialty of oral and maxillofacial radiology through ongoing critical evaluation of the scientific literature and attendance at professional

meetings and continuing education courses.

Point of Contact

To request further information, please contact the Office of Student Programs at (816) 235-**2080** or the program director, Dr. Jerald Katz, at (816) 235-**2138** or katzj@umkc.edu.

ORAL AND MAXILLOFACIAL SURGERY

Director:
Brett L. Ferguson, D.D.S., Diplomate, American Board of Oral and Maxillofacial Surgery (ABOMS)
Faculty:
John Bellome, D.D.S., Diplomate, ABOMS; Alan R. Brown, D.D.S., Diplomate, ABOMS; Perrin S. Jungbluth, D.D.S., M.D., Diplomate; Steven A. Mantegari, D.D.S., M.D., Diplomate, ABOMS; Dr. Anthony Poon, D.D.S., M.D.; C. Keith Schmitt, D.D.S., Diplomate, ABOMS; Rudane E. Shultz, D.D.S., Diplomate, ABOMS

Stipend

First year: $44,000 Fourth year: $48,500
Second year: $45,500 Fifth year: $50,000
Third year: $47,000 Sixth year: $52,000

This six-year program, which begins in July, is open to applicants who have a doctoral degree in dentistry from an ADA-accredited dental school, and who are interested in completing both a medical degree and certificate of residency training in oral and maxillofacial surgery.

The program divides the training between the oral and maxillofacial surgery residency program and the curriculum of the School of Medicine. This program provides in-depth coverage of orthognathic surgery, reconstructive surgery, implant surgery, temporomandibular joint surgery, trauma, dento-alveolar surgery and anesthesia, as well as all required basic science and clinical medicine courses for the doctor of medicine degree. A thesis is not required; however, publication in peer-reviewed journals is a requirement of the training program.

Student Learning Outcomes

Oral and Maxillofacial Surgery is the specialty of dentistry which includes the diagnosis, surgical and adjunctive treatment of diseases, injuries and defects involving both the functional and aesthetic aspects of the hard and soft tissues of the oral and maxillofacial regions. The following learning outcomes have been developed and adopted by the Commission on Dental Accreditation and the faculty in oral and maxillofacial surgery at the University of Missouri – Kansas City Schools of Dentistry and Medicine. The goals, skills, and knowledge every graduate must demonstrate to qualify for graduation are assessed through the classroom, the outpatient clinic, hospital/surgicenter operating rooms, mock Board exercises, seminars, presentations, and one-on-one discussions. Hospitals included are Children's Mercy Hospital, St. Luke's Hospital of Kansas City, Truman Medical Centers Hospital Hill and Lakewood.

The graduate in oral and maxillofacial surgery will demonstrate applied knowledge and clinical skills in the following areas:

1. Continuous certification in Basic Life Support, Advanced Cardiac Life Support, Advanced Trauma Life Support, and Pediatric Advanced Life Support.
2. Minimum duration of 72 months of full-time study with a minimum of 30 months devoted to clinical oral and maxillofacial surgery.
3. Six months of the senior year with responsibilities of Chief Resident.
4. Present patients in a pre- and post-operative format.
5. Maintenance of a surgical log.
6. Coursework and training as requirements for the medical degree at the University of Missouri – Kansas City School of Medicine, to include a general surgery residency preliminary year within the integrated MD/oral and maxillofacial surgery training program.
7. Minimum duration of four months of anesthesia to include mandated daily attendance, daily lectures, on-call participation, and an intended workload of approximately 250 general anesthesia cases.
8. Medical service will include a minimum of two months of clinical medical experience and will be at the medical student/resident intern level or higher and may include rotations on medical specialty services.
9. Surgical service will include a minimum of four months of general surgery experience and will be at the surgery student/resident with a commensurate level of responsibility (operate at a PGY-1 level or higher and is on the regular on-call schedule).
10. Two additional months of clinical surgical or medical education will be assigned.
11. Weekly departmental seminars and conferences to provide instruction in the broad scope of oral and maxillofacial surgery and related sciences and will include retrospective audits, clinical pathological conferences, tumor conferences, and guest lectures. The resident will prepare and present departmental conferences.
12. Instruction in the basic biomedical sciences will include anatomy (including growth and development), physiology, pharmacology, microbiology, and pathology. This instruction will be met through the completion of the requirements for the MD as well as the certificate in oral and maxillofacial surgery. Anatomy lectures will include surgical approaches to the maxillofacial region and graft donor sites.
13. A physical diagnosis program will be started upon entrance into the residency. This will include a structure, didactic, and clinical course in physical diagnosis and will be provided by faculty privileged to perform history/physical exams. Competency in physical diagnosis will be documented and will occur in the first year of the program.
14. Clinical oral and maxillofacial surgery will include a complete, progressively graduated sequence of outpatient, inpatient, and emergency room experiences. Exposure to major and minor surgical principles will be integrated throughout the duration of the program. Outpatient oral and maxillofacial surgery experiences will include the management of traumatic injuries and pathologic conditions, dentoalveolar surgery, the placement of implant devices, augmentations, and other hard and soft tissue surgery including mucogingival surgery.
15. Ambulatory general anesthesia and deep sedation will include both the general anesthesia rotation of four months and the outpatient surgery experience which includes general anesthesia/deep sedation on adult and pediatric patients. This includes competence in managing the airway. In addition, all residents will obtain training and experience in all aspects of parenteral and inhalation sedation techniques. Inpatient surgical experience will include admission and management of patients.
16. Major surgery will include surgery on adults and children to include trauma, pathology, orthognathic surgery, reconstructive, and aesthetic surgery. In the trauma category, surgical management of mandibular fractures, maxillary fractures, zygomaticomaxillary fractures, nasal fractures, naso frontal orbital ethmoidal fractures, and repair of facial, oral, soft tissue injuries, and injuries to specialized structures. Pathology will include treatment of sinus procedures, TMJ pathology, cystectomy of bone and soft tissue, sialolithotomy, sialoadenectomy, management of head/neck infections, fifth-nerve surgery, and surgical management of benign and malignant neoplasms. Orthognathic surgery will include correction of functional and aesthetic orofacial and craniofacial deformities of the mandible, maxilla, zygoma, and other facial bones. Reconstructive and aesthetic surgery will include bone grafting and soft tissue grafting and insertion of implants. This includes competence in harvesting of bone and soft tissue grafts. Reconstructive surgery will also include augmentation procedures, TMJ reconstruction, insertion of craniofacial implants, and management of continuity defects. Dental implant training will include didactic and clinical experience in the management of implant placement, diagnosis, treatment planning, site preparation, grafting procedures, implant placement, and management of complications. Aesthetic surgery will include rhinoplasty, scar revision, blepharoplasty, genioplasty, and lipectomy.
17. Medical school curriculum will include formal courses in biostatistics, human gross anatomy, human microscopic and developmental anatomy, human neuroanatomy, medical microbiology, general/clinical pathology, pharmacology, clinical pharmacology, behavioral science and medicine, correlative medicine, docent rotation, psychiatry, obstetrics/gynecology, pediatrics, surgery, family medicine, emergency medicine, and continuing care clinic.

An interdisciplinary Ph.D. program is offered through the School of Graduate Studies as an elective for qualified and interested program residents. This will require additional years of study and clinical experience, and will also require a thesis. Separate application to this program will be made after beginning the residency.

Openings are limited to two individuals each year, and new residents must be prepared to begin their training on July 1. Applicants accepted into this program must have the necessary training to obtain a permanent dental license in the state of Missouri prior to the start of their training. Residents are required to enroll in both the UMKC School of Dentistry and UMKC School of Medicine, depending on course and residency requirements being fulfilled in a given term. Appropriate fees from both schools are applicable.

To be considered for admission to the UMKC School of Medicine, one must be a United States citizen or be a permanent resident of the United States; if the applicant holds a permanent resident visa, a copy should be included in your application materials.

Interested applicants must apply through the Postdoctoral Application Support Services (PASS); this program also participates in the National Matching Services (MATCH). Use the link www.umkc.edu/dentistry/assets/forms/advancededucation.htm for more details regarding additional information to be supplied by the applicant.

Deadline for receipt of application at the school is Sept. 15 of the year prior to anticipated enrollment. A by-invitation interview is a required part of the application process.

Please note that score results of the MCAT examination *are not* a requirement of this program.

Questions about this program may be answered by contacting the program director's office at (816) 404-4356.

ORTHODONTICS AND DENTOFACIAL ORTHOPEDICS

Director:

Jeff Nickel, D.M.D., MSc, Ph.D.

Faculty:

Laura Iwasaki, D.D.S., MSc, Ph.D., Leo Rogers Chair; Don Thompson, D.D.S., M.S.D, Clinic Directr; Dan Blackwell, D.D.S., M.S.; Steve Billings, D.D.S.; Dustin Burleson, D.D.S.; Bob Craven, D.D.S.; Frank Crist, D.D.S., M.S.; John Dorsch, D.D.S., M.S.; Vance Dykhouse, D.D.S., M.S.; Scott Hamilton, D.D.S., M.S.D.; Dennis Harper, D.D.S., M.S.; Eric Johnson, D.D.S.; David Jones, D.D.S., M.S.D.; Kurt Muehlebach, D.D.S.; James Osborne, D.D.S.; Jeff Thompson, D.D.S., M.S.; Don Wilson, D.D.S.

Program Overview

The advanced education program in orthodontics and dentofacial orthopedics has existed since 1946. Approximately 300 UMKC graduates are currently in full-time orthodontic practice. They reside in 36 different states and four foreign countries.

This is a full-time, 26 month program that begins in July. It is designed to prepare the student for community practice of orthodontics and dentofacial orthopedics. Curriculum emphasis is placed on the edgewise technique and on interceptive and functional treatment. Management of craniofacial anomalies is taught didactically and clinically in association with the craniofacial team at Saint Luke's Hospital. Objective inquiry and statistical validation are emphasized in all aspects of this program. Completion of an original research project and paper is required. The computerized clinic facility is a working-research model that simulates the private practice environment. Students can also complete an M.S. degree in oral biology. A separate application is required for the master's program.

Student Learning Outcomes

The following learning outcomes have been developed and adopted by the faculty. These goals, skills and knowledge every graduate must demonstrate to qualify for graduation. The Department of Orthodontics and Dentofacial Orthopedics require these outcomes be assessed in the classroom, the laboratory, and through treatment of clinical cases over the 26-month program. Their competencies are assessed through examinations, presentations of papers, and clinical treatment comprehensives.

The Orthodontic Graduates Program Should:

- Provide outstanding clinical and didactic education so that the orthodontic residents provide the best possible orthodontic treatment for their patients and, thereby, pass state board examinations and the American Board of Orthodontics Examinations.
- Prepare orthodontic residents with the scientific background to make competent treatment decisions and to assess the quality of orthodontic treatment they provide.
- Instill professional and societal responsibility in all residents that will prepare them to become orthodontic leaders and address the public need.
- Provide residents with adequate computer skills to assist in practice management and patient treatments.
- Provide residents and practitioners with continuing education opportunities about recent advances in orthodontics and related fields.
- Contribute to the advancement of orthodontics through basic, applied and educational research.
- Be a resource in orthodontics for the public and community leaders.

Application and Acceptance

Applications are considered from the following groups:

- Fourth-year dental students from ADA or CDA accredited schools who are in the top 50 percent of their graduating class.
- Graduates of schools who ranked in the top 50 percent of their graduating classes and have satisfactorily completed a general practice residency or other dental specialty program prior to application.
- Graduates of a School of Dentistry who ranked in the top 50 percent of their class and have been in general practices.

Selection of candidates is a twofold process. First, candidates are stratified on the basis of academic and professional performance. Class standing, national board performance, specialty program, practice experience, leadership roles in organized dental groups, dental school teaching, research experience and recommendations are considered.

Secondly, applicants meeting screening criteria are invited for interviews. All interviews are conducted at the School of Dentistry on the same day and all invited candidates must attend this session to be eligible for final selection into the class. Four residents are accepted into this program annually.

Application for admission must be received at the school on or before Sept. 5th of the year prior to planned enrollment.

Applications may be requested from the Office of Student Programs at (816) 235-**2080**. The Web site at http://www.umkc.edu/orthodontics/ contains a link to Student Programs.

Stipend

Thirty-three percent of clinical fee collections (as defined in the Financial Assistance section).*

*Available to eligible program residents (i.e., those who have earned a D.D.S./D.M.D. degree from an American Dental Association- or a Canadian Dental Association-accredited program).

Tuition and Fees

Estimated tuition costs may be found in the fees section of this catalog. There are additional fees for books, camera and required meeting attendance associated with this program.

Instruments

Residents are required to pay an "instrument usage" fee to the school. All instruments are provided and are maintained by the Central Sterilization program of the school.

Financial Assistance

Up-to-date information on additional financial assistance may be found in the school financial aids charts at http://www.sfa.umkc.edu/.

PEDIATRIC DENTISTRY

Director:

James W. Lowe, D.D.S., M.S., Diplomate, American Board of Pediatric Dentistry

Faculty:

John I. Haynes, D.D.S., M.A.; Brenda S. Bohaty, D.D.S., M.S., Diplomate, American Board of Pediatric Dentistry; Paulette Spencer, D.D.S., M.S., Ph.D.; Robin L. Onikul, D.D.S. Diplomate, American Board of Pediatric Dentistry; Claudia Lopez, D.D.S., Diplomate, American Board of Pediatric Dentistry; Eileen Cocjin, D.D.S.; Amy E. Burleson, D.D.S. Diplomate, American Board of Pediatric Dentistry; Dustin S. Burleson, D.D.S., Diplomate, American Board of Orthodontics; Nidya de la Torre, D.D.S.

Stipend

First year $43,500*
Second year $46,000*

* Plus fringe benefits.

The program in pediatric dentistry is a 24-month program hospital residency beginning in July. It is designed for dentists desiring to establish a practice limited to children. Academic coursework includes interdisciplinary seminars in the clinical and basic sciences. Clinical training is conducted primarily at Children's Mercy Hospital.

Student Learning Outcomes

Pediatric Dentistry is an age-defined specialty that provides both primary and comprehensive preventive and therapeutic oral health care for infants and children through adolescence including those with special health care needs. Upon completion of the 24-month advanced program in pediatric dentistry the dentist should be able to:

- Identify and differentiate between normal timing and patterns of linear, orofacial, and psychological growth and development.
- Understand child behavior and anxiety. Manage children, whose behavior ranges from compliant to disruptive, through the use of psychological techniques so that preventive and therapeutic dental procedures can be completed.
- Recognize the indications and contraindications for pharmacological behavior management behavior techniques for use with children.
- Be proficient in providing conscious sedation for children.
- Communicate effectively with the child's parent(s) or caretaker.
- Create an accurate data base of child and parent information from which to formulate an accurate diagnosis.
- Diagnose, plan, and present treatment recommendations to parents.
- Implement a scientifically based, effective program of preventions, recognizing the child's level of cognitive and psychomotor development and their home and school environment.
- diagnose common periodontal problems in children.
- Provide restorative care for primary and young permanent teeth in children.
- Treat pulpally affected primary and young permanent teeth.
- Diagnose and treat, when indicated, the developing occlusion of children.
- Treat children with special medical conditions in consultation with their physician and other health care providers.
- Diagnose and treat developmental anomalies of the young dentition.
- Recognize and manage medical emergencies encountered in children and adolescents undergoing treatment.
- Diagnosis and treat traumatic injuries to the developing dentition and orofacial structures.
- Provide infant oral health care and helpful information to parents of young children.
- Provide dental rehabilitation in the operating room under general anesthesia.

Competence is assessed by performance in didactic coursework, faculty supervision of treatment plans and delivery of care; departmental quality assurance and quality improvement program, biannual faculty evaluation of residents, and patient satisfaction surveys.

Requirements for Admission

The requirements for admission are:

1. A D.D.S. or D.M.D. from an ADA or CDA accredited dental program.
2. Three letters of recommendation from people able to judge the applicants potential for success in graduate level training.
3. A record of academic success at undergraduate and professional school levels.
4. Experience working with children is desirable.

Selected applicants will be invited for a personal interview with the program faculty and residents.

The deadline for receipt of application at the school is October 15 of the year prior to starting the program in July. Application can be made through UMKC or through the Postgraduate Application Support Service (PASS). See the application information in this section for greater detail on both. Applicants must also participate in the Postdoctoral Dental Matching Services (MATCH).

Questions about this program may be answered by contacting the program director's office at (816) 234-3162 or by e-mail at jlowe@cmh.edu.

PERIODONTICS

Director:

Simon R. MacNeill, B.D.S., D.D.S., Diplomate, American Board of Periodontology

Faculty:

John W. Rapley, D.D.S., M.S., Department Chair, Diplomate, American Board of Periodontology; Nancy Newhouse, D.D.S., M.S., Diplomate, American Board of Periodontology; Lynn Friesen, D.D.S., M.S., Diplomate, American Board of Periodontology; Mark Edwards, D.D.S.; David Thein, D.D.S., M.S.D.; Keerthana Satheesh, B.D.S., D.D.S, M.S., Diplomate, American Board of Periodontology; Asvin Vasanthan, B.D.S., D.D.S., M.S. Diplomate, American Board of Periodontology; Charles M. Cobb, D.D.S., M.S., Ph.D., Diplomate, American Board of Periodontology; Mark Edwards, D.D.S., Diplomate, American Board of Periodontology; David May, D.D.S., Diplomate, American Board of Periodontology; Stephanie L. Mullins, D.D.S., M.S.; Dan B. Ang, D.D.S., M.S.

Program Overview

The periodontic postgraduate program is designed to prepare a dentist for a career in clinical periodontics, research and teaching. It enables the resident to acquire a depth of understanding in oral biology; to become acquainted with the problems in the biology and pathology of oral tissues, and to adequately treat these problems with the most current knowledge and techniques. Program students will be encouraged to use interdisciplinary approaches in the solution of research and clinical problems. The program is designed to provide for the profession and the community, competent bio-clinicians who will become key professionals in clinical practice, research, and teaching. Didactic and clinical training will also be conducted in other related areas within the scope of practice of the field of periodontics as established by the Periodontic Standards of the Council on Dental Accreditation. The correlation of basic sciences and clinical sciences is an integral part of the program. A research project is required and comprehensive examinations must be successfully completed. Original research leading to the Master of Science is possible. Admission into the M.S. program requires a separate application, and the student will apply for admission following successful enrollment into the periodontic program. Meeting all eligibility criteria of the M.S. program is necessary for acceptance into the periodontics program. The program is also designed to prepare the graduate periodontist to challenge the requirements for certification as a diplomate by the American Board of Periodontology. Individuals who successfully complete this advanced education program will be awarded a Certificate in Periodontics.

Student Learning Outcomes

The following learning outcomes have been developed and adopted by the faculty. These goals, skills, and knowledge must be demonstrated by every graduate to qualify for graduation. The Department of Periodontics assess these outcomes in the classroom, the laboratory, and through treatment of clinical cases over the length of the program, using examinations, presentation of papers, and review of clinical treatment.

The competencies expected of a graduate are:

- Have an understanding of the biology and pathology of the periodontium.
- Be soundly based in the interpretation of the dental literature in periodontics.
- Be clinically competent to conceptualize, rationalize and defend periodontal therapy in advanced cases. In addition, he/she should be aware of and have performed current therapeutically accepted periodontal modalities.
- Be innovative and logically reason using prior biological information.
- Be worthy of the title "Specialist".
- Be able to communicate, motivate and educate patients and general dentists on their level.
- Believe in the necessity of continuing education and self-enrichment.
- Assume leadership in the advancement of periodontics in his/her community. He/she also should be active in the American Academy of Periodontology.
- Be able to demonstrate an organizational ability to collect and present data.
- Be able to interpret the collected data and subsequently to diagnose, prognosticate and develop a Comprehensive Treatment Plan.

- Be able to evaluate, critically, the results of therapy.
- Be able to demonstrate his/her ability to perform all the above activities in a professional manner.
- Design, conduct and present a research project. Each research project must be written in a format suitable for publication.

Eligibility

An applicant for this program must be a citizen of the United States or a foreign national having a visa permitting permanent residence in the United States. Applicants must also submit evidence of graduation from a school of dentistry accredited by the Commission on Dental Accreditation or the Canadian Dental Accrediting Commission, or verification from the dean of an accredited dental school that the applicant will graduate during the current academic year.

Program Duration

The 36-month program covers nine continuous semesters and begins on July 1.

Number of Residents

Two students are accepted into the program each year.

General Applicant Information

The program deadline date for receipt of all required completed application materials is August 15th of the year preceding planned enrollment. Applicants must have successfully completed Part I of the National Dental Board at the time of application and Part II by the time of matriculation. Applicants must have demonstrated English reading, writing and speaking proficiency and a minimum score of 575 (written) or 250 (computer) on the TOEFL examination.

Selection is based on academic standing in dental school (grade-point average, class standing and National Board scores) and experience (years in practice, teaching or research, advanced training or degrees, publications, activity in organized dentistry and participation in continuing education). Three letters of recommendation are required.

Applications

Applications must be submitted using applications furnished by the Office of Student Programs, UMKC School of Dentistry. Use the link www.umkc.edu/dentistry/assets/forms/advancededucation.htm to receive a brochure describing the program and application materials.

Stipend

No stipend is available.

Income from Periodontic Program Practice

Residents will be paid approximately 33 percent of the net fees collected for clinical treatment they provide in the program. Net collected clinical fees are defined as gross clinic fees collected, less scheduled laboratory fees incurred as a part of the treatment procedures, and/or less any fee waivers granted (see also Financial Assistance section).

Tuition and Fees

Estimated school tuition can be obtained at the Advanced Education Enrollment Fees section of this catalog. If selected for the program there is a $500 nonrefundable acceptance fee which must be paid within two days of the time of acceptance of the position. More information will be provided to the applicant once he/she is accepted into the program.

Instruments and Equipment

Residents will be required to lease some dental equipment through the school as well as purchase other instruments and equipment. The school employs a new centralized sterilization program for the lease equipment. A list of other required instruments and textbooks will be provided when an applicant is selected to attend the program.

Financial Assistance

Up-to-date additional information on financial assistance can be obtained at http://www.sfa.umkc.edu/.

Interview

Competitive applicants will be invited to Kansas City for an interview with the program director and other selected faculty and staff. If invited, the interview is a required part of the application process and funding is the responsibility of the applicant.

Accreditation

The program in periodontics is fully accredited by the Commission on Dental Accreditation. The Commission is a specialized accrediting body recognized by the United States Department of Education. The Commission on Dental Accreditation can be contacted at (312) 440-4653 or at 211 East Chicago Avenue, Chicago, IL 60611.

Study Areas

Residents have a dedicated office space with computer and printer support connected to a high-speed LAN. The program also has a dedicated seminar room for literature reviews, case presentation, lectures, etc.

Point of Contact

To request further information, contact the Office of Student Programs at (816) 235-**2080** or dds@umkc.edu; or the program director, Dr. Simon R. MacNeill, at (816) 235-**2119** or macneills@umkc.edu.

Master of Science in Oral Biology

MASTER OF SCIENCE IN ORAL BIOLOGY

Chairman, Department of Oral Biology:
J. David Eick, Ph.D.
Director of Graduate Research Programs, Department of Oral Biology
Mary P. Walker, D.D.S., Ph.D.
Doctoral Faculty Participation:
Cynthia Amyot, H. Clark Anderson (A), Cielo Barragan-Adjemian, Lynda Bonewald, Charles M. Cobb (E), Sarah Dallas, J. David Eick, Jian Q. Feng (A), Alan Glaros (E), Jeffrey Gorski, Laura Iwasaki, Mark Johnson, Carole McArthur, Jeffrey Nickel, John Purk, Michael Reed, Ronald Sakaguchi (A), Paulette Spencer (E), Mary Walker, Yong Wang, Karen Williams, Ling Ye

- General Nature of the Program
- Admission Information
- Curriculum
- Thesis Research
- Academic Requirements
- Other Requirements

General Nature of the Program

The School of Dentistry offers a program leading to an M.S. in oral biology. Separate applications are required for the master of science program in oral biology. The goal of the program is to introduce students to the scientific method and to assist them in developing academic careers. The program includes advanced work in basic, behavioral and clinical sciences relating to dentistry. The coursework and thesis present an opportunity for the student to cross traditional departmental lines and undertake an interdisciplinary approach to the study of problems related to oral biology. On successful completion of all necessary coursework and thesis requirements, the student is awarded a master of science degree in oral biology.

Admission Information

Eligibility

All applicants for the master of science in oral biology program must first meet UMKC requirements for admission as a graduate student (see General Graduate Academic Regulations and Information earlier in this catalog).

To be eligible for admission to the master of science in oral biology program, an applicant either must hold a baccalaureate degree or a D.D.S. or equivalent degree. In general, he or she should have a minimum cumulative GPA of 3.0 (based on a 4.0 scale) for all undergraduate work, including dental school (if applicable).

Admission Procedure

Requests for information, including application materials, should be directed to:

Chairman, Advanced Education Committee
c/o Office of Student Programs
UMKC School of Dentistry
650 East 25th Street
Kansas City, MO 64108-2795

All application materials should be submitted prior to Feb. 1 for students wishing to begin their study in the Fall Semester; however, applications will be considered throughout the year.

Completed applications should be sent to the address above. The completed application packet is forwarded to the Department of Oral Biology for evaluation.

Evaluation Criteria for Admission:

Transcripts

Analysis of transcripts from all prior institutions is required. Under special circumstances (e.g., class standing), consideration may be given to applicants whose GPA is 2.5-3.0.

Letters of Recommendation

Three letters of recommendation are required from current or former teachers who are familiar with the applicant's past achievements and research ability/potential.

Letter From Applicant

A letter describing why the candidate is interested in pursuing a master of science in oral biology, how the experience of the program may be used by the candidate in the future, and a list of potential research interests must be submitted by the applicant.

Interviews

Interviews are not required. However, interviews will be arranged upon the candidate's request at the School of Dentistry. Successful interviews may enhance the candidate's chance of acceptance.

The chairman of the Advanced Education Committee will notify the applicant regarding acceptance status.

Other Requirements

Students will be expected to comply with all rules, regulations and requirements specified in the General Graduate Academic Regulations and Information section of this catalog.

5703 Thesis Writing (1)

The methods of preparing, organizing, and presenting research findings according to the format of scientific writing.

Master of Science Degree in Dental Hygiene Education

Master of Science in Dental Hygiene Education

Director:
Tanya V. Mitchell, R.D.H., M.S.

- History
- Requirements for Admission
- Job Opportunities
- School Activities
- Educational Fees
- Scholarships
- Requirements for Graduation
- Customized Plan of Study
- Required Courses for the Master of Science Degree

History

The master of science degree in dental hygiene education program provides the educational and professional environment to enrich dental hygienists through a collaborative experience resulting in competent graduates able to pursue diverse innovative career opportunities. Candidates may pursue graduate studies with a concentration in teacher preparation (clinical and classroom teaching) and research. Additional opportunities are available in areas of gerontology, special patient care and health services administration for campus students.

The graduate program has a rich history of preparing dental hygienists for leadership roles in academia and industry. The program is housed in the School of Dentistry and is one of the few such graduate programs in dental hygiene in the country.

The graduate program is specifically designed to be flexible and innovative to meet the candidates' educational goals and objectives for careers in the dental hygiene profession, as well as to help meet the dental hygiene faculty and administrative needs of accredited dental hygiene and dental assisting programs. A distance education option is also available. Degree requirements may vary; check with the program director.

Requirements for Admission

Graduation from an accredited school or program of dental hygiene, a baccalaureate degree from an accredited college or university, and a satisfactory academic undergraduate record are required. The deadline for application is Feb. 1 for the class beginning the following Fall semester. An interview is a required component of the admissions process. Interviews are granted to candidates for this program by invitation only. Application forms and information may be obtained from the Director, Graduate Dental Hygiene Education, Division of Dental Hygiene, at the address at the beginning of this section. Enrollment is limited.

Questions about this program may be answered by contacting the program director's office at (816) 235-**2049** or villapandot@umkc.edu .

Completed applications **must be submitted to the Director of Graduate Dental Hygiene Education at the above address** by Feb. 1 for the class beginning the following Fall semester. The required application materials must include:

1. UMKC application for admission.
2. Supplemental application for admission.
3. Narrative statement.
4. Official transcripts of all previous academic work.
5. Three completed recommendation forms (including one from the director of the dental hygiene program attended).
6. A letter of intent sent to the director of graduate dental hygiene education explaining the applicant's main area of graduate dental hygiene interest (clinical and classroom teaching, special patient care, health services administration, gerontology or advanced clinician).

Job Opportunities

Graduate students in dental hygiene may prepare for careers in clinical and classroom education, research, administration, gerontology or special patient care in hospital or community-based settings. Availability of positions for graduates of the master of science degree program has been excellent in these career areas. Assuming the number of dental hygiene programs in the country remains at about 260, the need for highly qualified educators, researchers and administrators with master's degrees in dental hygiene education will remain strong. Students who plan a career in teaching, research or administration may consider graduate work leading to a Ph.D. degree.

School Activities

The philosophy of the graduate program advocates individualized career planning and advising students to help meet their specific needs and interests in an atmosphere conducive to enhancing the students' critical thinking, decision making and self-evaluative skills as health care professionals.

Graduate students have the opportunity to spend one semester as an extern at another dental hygiene institution or health care facility. This usually is determined by the graduate student's specialization and preference for the extern site, as well as established criteria for the externship. This experience has proved invaluable for most graduate students selecting this option.

Educational Fees

Students in this program are assessed educational fees (as of the 2007-08 academic year) as follows.

Summer Term

	Educational Fee (Resident)	$286.90/cr. hour
Educational Fee (Non-Resident)	$740.80/cr. hour	
Activity Fee	$15.22/cr. hour	
Computing Fee	$11.70/cr. hour	
Student Health Service Fee	$3.74/cr. hour	
Multipurpose Building Fee	$15	

Fall/Spring Semesters

	Educational Fee (Resident)	$286.90/cr. hour
Educational Fee (Non-Resident)	$740.80/cr. hour	
Activity Fee	$15.22/cr. hour	
Computing Fee	$11.70/cr. hour	
Student Health Services Fee	$3.74/cr. hour	
Multipurpose Building Fee	$30	

Note: Fees are subject to change without notice.

SCHOLARSHIPS

Graduate research assistantships and nonresident tuition-waiver awards are available to students on a competitive basis. The American Dental Hygienist's Association awards scholarships to dental hygienists at the master's degree level on a competitive basis. Please contact the director of graduate dental hygiene education for more details of possible funding for graduate studies through the Division of Dental Hygiene.

REQUIREMENTS FOR GRADUATION

Requirements include:

1. A 3.0 GPA.
2. Successful completion of 36 credit hours with a thesis or non-thesis option.
3. Prepare and present a table clinic at the Midwest Dental Conference during the Spring Semester.
4. All other requirements for graduation as stated in the General Graduate Academic Regulations and Information section of this catalog.

CUSTOMIZED PLAN OF STUDY

The graduate program is flexible and innovative in its tailoring to the interests and needs of the graduate student. Both a thesis and non-thesis option are available for the master's degree program. In addition, the program allows students to enroll on either a part-time or full-time basis. The typical length of study for the thesis track is two years. Entering students will begin coursework in the Fall semester. An innovative distance education option allows the candidate the prestige of a graduate education with the convenience of online technology. Interested candidates are advised to consult with the program director.

The curriculum is designed to provide meaningful academic experiences and activities for each graduate student as matched with program coursework offerings, facilities and resources. Typical courses for the graduate program depend on the graduate student's area of concentration. A classroom and clinical teaching area of concentration includes classroom and clinical student teaching with dental hygiene and dental students, curriculum concepts and practicum, special problems in dental hygiene, principles of testing, introduction to research methodology, biostatistics, periodontics and local anesthesia. A wide variety of electives may be chosen from those offered in the School of Dentistry, the Henry W. Bloch School of Business and Public Administration, the School of Education, the College of Arts and Sciences, the School of Nursing or any other academic unit at UMKC.

The School of Dentistry provides an ideal environment for graduate students to interact with clinical and basic science dental faculty and other advanced-education specialty students for an exchange of ideas, knowledge and resources. In addition, graduate dental hygiene students actively participate in lectures, seminars, and practical and independent study that address their needs and interests for their future careers.

Graduate students are required to design and conduct a research project in fulfillment of their research requirement for both the thesis and non-thesis options of the program. This is accomplished under the supervision of a research advisory committee. Basic knowledge and skills in conducting research are gained through research coursework offered both in the School of Dentistry and on the UMKC campus. Funding for graduate student research is often available from the Dental School Rinehart Foundation, as well as other external funding sources.

REQUIRED COURSES FOR THE MASTER OF SCIENCE DEGREE

Program in Dental Hygiene Education

		Required Courses Hours
DENHY 4020	Local Anesthesia and Pain Control	2
DENHY 4040	Introduction to Research and Instruction	1-2
DENHY 5500	Educational Methologies	2-4
DENHY 5510	Student Teaching and Conference I	2-4
DENHY 5516	Special Issues in Higher Education	2-4
DENHY 5530	Clinical Instruction and Conference	2-4
DENHY 5553	Seminar in Advanced Clinical Techniques and Methodologies	2-4
DENHY 5595	Scientific Writing	1-2
DENHY 5599	Research and Thesis	1-6
RESME 5700	Intro. to Research Methodology (or its equivalent)	2-3
RESME 5703	Thesis Writing (thesis option only)	1
RESME 5704	Introduction to Biostatics (or its equivalent)	2-3
Total		**20-39**

Total number of credit hours required for completion of the graduate program is 36 credit hours for either the thesis or non-thesis option.

Other Requirements

Students will be expected to comply with all rules, regulations and requirements in the General Graduate Academic Regulations and Information section of this catalog.

Education, School of

SCHOOL OF EDUCATION

Education Building , Room 347
615 E. 52nd Street
(816) 235-**2236** Dean's Office
(816) 235-**2234** Student Services
Fax: (816) 235-**5270**
education@umkc.edu
http://education.umkc.edu

Mailing Address
University of Missouri-Kansas City

School of Education
5100 Rockhill Road
Kansas City, MO 64110-2499

Dean:
Linda L. Edwards
Associate Dean:
Steve LaNasa
Assistant Deans:
Ginny Miller
Division of Counseling and Educational Psychology Chair:
Nancy Murdock
Division of Curriculum and Instructional Leadership Chair:
Susan Adler
Division of Urban Leadership and Policy Studies in Education Chair:
Dianne Smith
Interim Director of Teacher Education:
Steve LaNasa

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  - Special Education (EDSP)
  - Urban Leadership (EDUL)

GRADUATE PROGRAMS

The following graduate programs are offered:

- Counseling and Guidance, M.A. and Ed.S.
- Counseling Psychology, Ph.D.
- Curriculum and Instruction, M.A. and Ed.S.
- Educational Administration, M.A., Ed.S. and Ed.D.
- Reading Education, M.A. and Ed.S.
- Special Education, M.A.
- Interdisciplinary Ph.D. (see School of Graduate Studies http://www.umkc.edu/sgs)

General Information on Master of Arts Degrees

Requirements for the Master of Arts

Requirements for a master's degree include a minimum of 30 credit hours but vary according to the major and emphasis area. Regardless of program length, at least 60 percent of the coursework on the degree program must be numbered 5500 or above. At least 3.0 GPA must be maintained, with no grade lower than a C earned in any 5500-level course. A maximum of 20 percent of coursework numbered 5500 or above on the master's program may have grades of C. Any courses on the 300 and 400 level to be included in a master of arts program must be taken for graduate credit and only by arrangement with the adviser. No grade lower than B- may earned in any 300- or 400-level course to be used toward a graduate degree.

As soon as possible after regular admission to graduate study, the student should meet with a faculty adviser to develop a program of study. This program must be filed with the Education Student Services Office prior to completion of the last 15 hours of coursework. Program revisions may be requested later but also must be approved by the student's adviser and the dean's representative.

Twenty percent of resident graduate coursework may be transferred from other accredited universities' graduate programs. A maximum of 49 percent of acceptable graduate work (no grade below B) may be transferred from other campuses of the University of Missouri. Credits are transferred only with the recommendation of the adviser and the consent of the dean's representative in the School of Education. Transfer credit must not be more than seven years old at the time of program completion.

Transfer credit may be allowed for correspondence courses, provided the credits meet the above criteria. A maximum of six semester hours of continuing education courses that have been taken for graduate credit (workshops, special topics) may be included on a master's program. Students must provide a letter from the transfer institution clarifying the grade equivalent for transfer work posted as "credit" or "pass."

For regular courses taken through continuing education at UMKC to apply on degree programs, the student must be admitted to graduate study and have an approved program on file, including the continuing education courses.

The amount of workshop credit, either 498 or 470 series courses, that can apply toward a master's degree can not exceed more than 9 credit hours or more than 25 percent of the total degree program.

Credit more than seven years old at the time of degree completion must be validated. To validate a course, the student must meet with the instructor of the current equivalent course to devise a plan in which the student's current knowledge of the coursework can be assessed. Faculty may ask the student to write a paper, review current literature, or take examinations to determine whether the student's knowledge of the subject is acceptable. A maximum of 30 percent of the student's program of study may be validated under this procedure. All validation must be completed prior to the completion of the final semester of enrollment for the degree.

A thesis is not required for the master of arts degree, although the option for a thesis is available. A final integrating experience or independent or group research study may be required of those not selecting the thesis option.

Requirements for Retention

Students must:

1. Meet all admission requirements.
2. File a planned program of study in consultation with a faculty adviser and have it approved by the dean's representative in the Education Student Services Office.
3. Complete all coursework listed on the approved program of study.
4. Maintain an acceptable graduate GPA with no grades below B- (3.0) in 300- or 400-level courses, no grades below C (2.0) in any 5500-level course, at least 80 percent of the degree program completed with grades of A or B, and a 3.0 average maintained in all graduate coursework, regardless of whether the courses are on the actual degree program.
5. Apply for the degree (graduation) by the posted deadline during the final term of enrollment.
6. Enroll in at least one credit hour during the term they intend to graduate.

Master of Arts: Curriculum and Instruction

The master of arts in Curriculum and Instruction is a degree sought by teachers and others who wish to enhance their knowledge base for application in the classroom and to increase Prek-12 student learning. There are seven emphasis areas from which to choose:

- General (including Alternative Teacher Certification)
- Early Childhood
- Elementary
- Subject Matter (Art, English, Math, Science, Social Studies)
- Multicultural Education
- Teaching English to Speakers of Other Languages
- Learning Technologies

Requirements for Admission

Students admitted to School of Education graduate programs are governed by School of Education requirements and those of the School of Graduate Studies. Students seeking advanced degrees also should consult the School of Graduate Studies section for regulations applicable to all graduate students.

Students with a baccalaureate degree and teacher's certification from a school of education may apply for all graduate programs or may enter with a baccalaureate degree (including a departmental major in a liberal arts program). Work toward a master of arts degree can begin during any semester.

Criteria for admission include an appropriate GPA and an overall record of achievement. Teacher certification is required for all M.A. applicants (except for Early Childhood, Alternative Certification and TESOL). A baccalaureate degree with a 3.0 GPA or above (on a 4.00 scale), or a master's degree or other post-baccalaureate degree from an institution accredited by a regional accrediting agency is required for regular admission to the School of Education at the graduate level. Applicants who do not possess a post-baccalaureate degree and whose undergraduate GPA is between 2.50 and 2.99 are eligible for conditional admission and are required to complete the requirements described below. Applicants who do not meet the necessary admissions requirements may appeal to the Division Chair.

Conditional applicants must meet with a faculty adviser and are required to take four courses prescribed by the division for the degree in which the student intends to pursue. Applicants must achieve a grade of B or better in each of the courses (a course may be repeated only once). Two of these courses must be at the 5500 level, and three must be taken in different areas of the School of Education (one of the three, however, may be taken in another academic area of the University).

Students who successfully complete the conditional period are eligible for regular admission to the School of Education at the master's level. Only when conditional students are reclassified as degree-seeking may they file a program of study.

Students who do not successfully complete the conditional period will be permanently reclassified to post-bachelor status and will be allowed enrollment for undergraduate credit only. Post-bachelor students may not enroll in classes numbered 5500 or above.

Degree Requirements

There is an 18-credit-hour core to all programs. This core includes coursework in the humanistic, behavioral, research, assessment and multicultural and urban focus foundation areas. In addition to these core courses, students complete 18 additional hours in their emphasis area.

Core Courses

Humanistic Studies (one course required) Hours

EDUL 5525	Cultural Foundations of Education	3
EDUL 5526	Philosophical Foundations of Education	3
EDUL 5527	Historical Foundations of Education	3

Behavioral Studies (one course required)

EDRP 5502	Advanced Educational Psychology	3
EDRP 5510	Child Behavior and Development	3
EDRP 5512	Adolescent Development & the School	3
EDRP 5513	Human Development Across the Lifespan	3

Research (one course required)

EDRP 5505	Statistical Methods I	3
EDRP 5508	Principles and Methods of Research	3
EDCI 5544	Quantitative Research in English as a Second Language	3

Assessment (one course required)

EDCI 5554	Assessment in Science Education	3
EDCI 5596	Classroom Assessment	3
EDSP 5508	Evaluation of Abilities and Achievement in Special Education	3
TE 442	Classroom Observation, Assessment, & Screening in Early Childhood Classrooms	3

Multicultural and Urban Focus (one course required)

EDCI 5560	Teaching & Learning in an Urban Classroom	3
EDCI 5561	Teaching Diverse Populations in Today's Classrooms	3
EDCI 5562	Teaching for Equity and Social Justice	3
EDCI 5563	Multicultural Perspectives in Education	3

Culminating Experience (one course required)

EDCI 5575	Internship	3
EDCI 5595	Action Research	3
EDSP 5516	Philosophical and Family Issues in Special Education	3

EMPHASIS AREA: LEARNING TECHNOLOGIES

This program of study is designed to develop educators capable of implementing new technologies effectively in a variety of learning environments.

Total Hours Required
36

The following courses are required in addition to the core courses listed:

	Curriculum in Technology	**Hours**
EDCI 5549	Practicum: Design of Technology Project	3
EDCI 5570	Curriculum and Instruction in Technology	3
EDCI 5571	Cognition and Technology	3
EDCI 5572	Assessing the Role of Technology in Education	3
EDCI 5573	Development of Learning Technologies Programs	3
EDCI 5589	Culminating Event: Thesis	3
EDCI 5595	Action Research	3

MASTER OF ARTS: READING EDUCATION

The Division of Curriculum and Instructional Leadership offers a program of study leading to the Master of Arts Degree in Reading Education. A reading teacher certification program is also available to those who hold a prior teaching certificate for public schools and have a minimum of two years teaching experience.

Objectives for the master of arts vary according to candidates' career objectives. In general, candidates should expect:

1. To develop competencies in:
    - Reading instruction for elementary and/or secondary, college and adult students.
    - Individual diagnosis and treatment of sub-optimal to severely disabled readers.
    - Knowledge of the strategies and techniques used in reading research, and experience in reading and reporting such research.
2. To meet requirements for certification as a Special Reading Teacher grades K-12. (Initial teaching certification at the elementary, middle or secondary level required.)
3. To meet all professional standards specified by the Professional Standards and Ethics Committee of the International Reading Association.

The 36-credit-hour program of study consists of the reading requirements, humanistic and behavioral studies requirements, and electives.

Reading Requirements for the Major Area

A minimum of 21 credit hours of reading coursework is required and must include:

- EDUC 434 Classroom Diagnosis and Correction of Reading Problems
- EDUC 439 Content Area Reading and Language in the Intermediate through Junior High Levels
- EDUC 5501 Teaching of Reading
- EDUC 5534 Reading Assessment and Evaluation
- EDUC 5542 Introduction to Diagnostic and Treatment Procedures in Reading
- EDUC 5575R Internship in Reading
- EDUC 5590R Seminar in Reading

Humanistic Studies

A minimum of 3 hours must include one of the following courses:

- EDSP 5516 Philosophical Issues in Family Problems
- EDUL 5525 Cultural Foundations of Education
- EDUL 5526 Philosophical Foundations of Education
- EDUL 5527 Historical Foundations of Education

Behavioral Studies

A minimum of 3 hours must include one of the following courses:

- EDRP 5502 Advanced Educational Psychology
- EDRP 5510 Child Behavior and Development
- EDRP 5512 Adolescent Development
- EDRP 5513 Life Span Human Development

Multicultural and Urban Focus

A minimum of 3 hours must include one of the following courses:

- EDCI 5560 Teaching & Learning in an Urban Classroom
- EDCI 5561 Teaching Diverse Populations in Today's Classrooms
- EDCI 5562 Teaching for Equity and Social Justice
- EDCI 5563 Multicultural Perspectives in Education

Electives

Six credit hours of coursework related to the major area of reading/literacy are needed to satisfy this requirement. This coursework must be approved by the student's faculty adviser.

Final Examination

Students must pass a written examination covering their reading coursework.

MASTER OF ARTS: SPECIAL EDUCATION

The master of arts in special education is a degree sought by teachers and others who wish to enhance their knowledge and skills in working with children and adolescents with exceptional learning needs. The Division of Curriculum and Instructional Leadership offers a program of study leading to the degree of master of arts in special education. The focus of the master's degree is in **Mild-Moderate/Cross-Categorical (MM/CC) Disabilities**. The program prepares educators to teach students, to serve as advocates for children and their families, and to work collaboratively with colleagues in K-12 educational settings, including public and charter schools, private schools, residential centers and hospital programs.

Admission Requirements

Candidates entering the master's program with emphasis in MM/CC disabilities must hold a baccalaureate degree and have an overall 2.75 GPA or higher on a 4.0 scale. Official admission to the University of Missouri-Kansas City graduate school is required. All candidates must pass the School of Education Proficiency Examinations in Computer Literacy and Writing Literacy.

Candidates who do not hold initial teaching certification in elementary or secondary education must pass the College Basic Academic Subjects Examination (CBASE), with a score of 235 or greater, prior to filing an official program of study. Informational packets for the CBASE can be obtained from Student Services in the School of Education.

Program Requirements

Program requirements vary depending on the combination of degree and certification desired. Three program options ranging from 36-66 hours provide opportunities for candidates to earn a master's degree with or without special education teaching certification.

- Program Option 1: Initial Certification plus Master's Degree - 66 hours
- Program Option 2: Master's Degree with Special Education Endorsement for Those with Previous Certification - 36-51 hours
- Program Option 3: Master's Degree Only - 36 hours

For specific degree requirements, contact the Division of Curriculum and Instructional Leadership at (816) 235-**2241** or e-mail education@umkc.edu.

Certification

Courses required for certification in Missouri and Kansas are typically completed as part of the MM/CC program. Arrangements can be made for obtaining temporary certification in MM/CC in Missouri only; however, employment in the field is required. Because the requirements for certification vary from state to state, it is important to plan a course of study carefully with a special education faculty adviser during the first semester of coursework at UMKC.

GENERAL INFORMATION ON EDUCATIONAL SPECIALIST DEGREES

The goal of the educational specialist degree is to develop personnel who are highly competent practitioners/specialists in specific fields of education. The program of study will

place emphasis on the extension of the students' abilities to apply theory, methodology and techniques to practical problems related to the individual's field. The breadth of studies will be consistent with the guidelines suggested by the appropriate professional organization. Graduates are expected to be competent translators of practices and research.

The educational specialist degree can be earned in counseling and guidance, educational administration, reading education, or curriculum and instruction.

Requirements for Admission

Students are eligible for consideration for admission to the Ed.S. degree program in the School of Education when they have met at least one of the following requirements:

- Students must be eligible for regular admission to the School of Education at the graduate level (undergraduate GPA must be at least 3.0 on a 4.0 scale); if applicants have earned graduate credit, their graduate GPA must be at least 3.0.
- The completion of a master's degree from an accredited institution of higher education and a cumulative graduate GPA of at least 3.0.

Applicants who have met one of the above requirements for admission to the School of Education at the Ed.S. level muat also meet the divisional admission requirements for the specific degree program (educational administration, counseling and guidance, curriculum and instruction, or reading education). Consult the section of the catalog outlining the requirements of the divisions.

All educational specialist degree-seeking students are governed both by School of Education requirements and those of the School of Graduate Studies.

Program Requirements

A minimum of 60 hours of approved graduate work beyond the bachelor's degree is required for the educational specialist degree, with at least 60 percent of the courses numbered 5500 and above. Any courses on the 300 and 400 level included in the Ed.S. program of study must be accepted by the adviser and taken for graduate credit.

As soon as possible after admission to graduate study, students should seek to meet with a faculty member in the major to plan a program of study. This program must be filed in the Education Student Services Office and approved by the dean's representative when students still have at least 18 hours of coursework beyond the master's degree to complete. A majority of new coursework applied to any graduate degree to be completed at UMKC must be taken at UMKC. Transfer credit not included in a master's degree must not be more than 7 years old *at the time of degree completion or graduation*.

Transfer credit may be allowed for correspondence courses, provided the credits meet the criteria for graduate coursework. A maximum of 6 credit hours of continuing education credit (workshops, special topics) taken for graduate credit may be included on an Ed.S. program.

The number of hours of workshop credit, either 498- or 470-series courses, that can be used on an Ed.S. degree program will be limited to 9 hours.

UMKC credit more than seven years old at the time of degree completion that has not been included on a master's degree is not applicable to an Ed.S. degree unless validated to the satisfaction of the School of Education and the School of Graduate Studies. A maximum of 30 percent of coursework on the student's program of study may be validated under this procedure. All validation must be completed by the end of the final semester of enrollment.

The coursework is divided into the following study areas:

Specialization (21-42 hours)

The specialization is defined as a body of coursework associated with the area of concentration or major. Such courses might deal with the theory, research and methodology of the field.

Supporting Area(s) (9-15 hours each)

In addition to specific courses in a field of study, there are those courses which expand the competence of the specialist. These supporting areas might include study in one or two related areas, or study might be an intensive development of specific skills within the field.

Culminating Experience (3-12 hours)

All students should be able to demonstrate an ability to perform satisfactorily in situations approximating the intended role or specialization. While such experience may be included in regular coursework, at least 3 hours of supervised practicum, internship or field experience should be accomplished where the practice is the focus of the course.

Humanistic and Behavioral Studies (6-12 hours)

The success of a specialist may also depend on a broader understanding and interpretation of the concepts related to the problems and practices of the field, as revealed by study in humanistic and behavioral sciences. Courses or seminars in educational history, philosophy, psychology or sociology, or other appropriate courses, might be included in this area.

Residency

Enrollment as a full-time graduate student during one semester (5 credit hours during summer sessions, 9 credit hours during fall and spring semesters) is required for the educational specialist degree.

Final Examination

Students are required to pass a final examination in the major field or an oral examination upon the completion of the practicum or internship for the educational specialist degree.

Requirements for Retention

Students should assume responsibility for the following steps:

1. Complete all admission requirements.
2. With the faculty adviser, establish a program of study and have it approved by the dean's representative.
3. Complete all courses listed on the program of study.
4. Maintain an acceptable GPA (Grades below B- in 300- or 400-level courses taken for graduate credit will not be accepted on the program of study. No grade lower than a C in any 5500-level course is acceptable. A minimum of 80 percent of the program must be completed with grades of A or B. Additionally, students must maintain a 3.0 (B) average in all graduate coursework, regardless of whether the courses are on the actual program of study.
5. Apply for the degree (graduation) by the posted deadline during their final term of enrollment. Students are required to be enrolled in at least one credit hour during the term the degree requirements are to be completed.

General Information on Doctoral Degrees

The School of Education offers a Ph.D. degree program in Counseling Psychology that is accredited by the American Psychological Association since 1985. The School also participates, through the School of Graduate Studies, in the Interdisciplinary Ph.D. program. Two disciplines, education and urban leadership and policy studies in education are offered through the School of Education. Students may select one or both of those disciplines in addition to disciplines offered through other academic units across campus.

All but a select few Ph.D. programs at UMKC are interdisciplinary. Students desiring to study at the doctoral level in education and/or urban leadership and policy studies in education (which includes the foundation areas of educational theory and educational administration) must apply to the School of Graduate Studies. Detailed information on the general and discipline-specific admission requirements may be found in the School of Graduate Studies section of the catalog.

Educational Administration, Ed.D.

The Doctorate of Education Degree (Ed.D.) in Educational Administration has been designed to meet the needs of aspiring administrators in urban and metropolitan school

districts and colleges/universities.

Coordinators:

Loyce Caruthers, (816) 235-**1044**, caruthersl@umkc.edu (P-12)

Bonita Butner , (816) 235-2325, butnerb@umkc.edu (Higher Ed)

Criteria for Admission:

1. Completed UMKC application and ULAPSIE supplemental application.
2. Official transcripts from each college attended.
3. Educational Specialist degree or equivalent from an accredited institution with G.P.A. of at least 3.65 in Educational Administration.
4. Graduate Record Examination: quantitative, verbal and analytical writing.
5. Four professional or academic letters of reference.
6. An autobiographical statement that includes your professional goals and how the doctoral degree will help you in achieving these goals, and a description of some of your leadership accomplishments.
7. A writing sample, which gives evidence of your writing ability. The sample may be a previous course paper, a chapter from thesis, a published article, etc. Send copies for documents will not be returned.
8. Successful completion of three hours or equivalent of Statistical Methods 1 (EDRP 5505) **-and-** three hours or equivalent of Principles and Methods of Research (EDRP 5508) with a grade of B or higher.

Curriculum

The Doctorate of Education program will consist of 33 hours of inter-disciplinary course work and a 9 hour Applied Research Dissertation Project. The Doctoral Applied Research Study will include the identification of a study to be conducted that is grounded in educational policy in the public arena. A theoretical construct for the study will be developed including a research design, a review of the literature, and a presentation of the findings of the study in a public setting as well as to the doctoral committee. It is expected that students will complete this program during a four year period of time.

Doctor of Education Higher Education Administration

The doctoral program with a focus in Higher Education Administration is designed to prepare administrative leaders for positions in community colleges and four-year colleges and universities. The program may also be appropriate for individuals working in government agencies and business and industry. Therefore, students may come to the program from a variety of fields, backgrounds, and types of higher education institutions.

Criteria for Admission:

1. Completed UMKC application and Higher Education supplemental application.
2. Official transcripts from each college attended.
3. Graduate Record Exam: quantitative, verbal and writing portion
4. A statement of intent
5. A vita (resume)
6. Three focused letters of recommendation
7. Interview

Curriculum

The program consists of 90 semester hours beyond the baccalaureate degree inclusive of the dissertation. The Ed.D. is an applied degree designed for the advanced student who wishes to achieve a superior level of competency in his/her professional field with emphasis on practice and leadership in an urban setting. The degree requires students to demonstrate proficiency in independent research in higher education and make original contributions to the body of knowledge related to higher education. The program is structured on a cohort model with admission every three years. Admitted students must agree to take courses as prescribed in order to complete all courses in a three year.

COUNSELING PSYCHOLOGY, PH.D.

The Ph.D. degree in counseling psychology has been fully accredited by the American Psychological Association since 1985. The counseling psychology program emphasizes multicultural and individual diversity within a scientist-practitioner model. Consistent with the University's urban/metropolitan mission, this diverse faculty is committed to educating future counseling psychologists to improve the welfare of individuals and communities through scholarship and applied interventions.

Student Learning Outcomes

The program faculty encourages students to develop primary identification with the core values of counseling psychology. These values emphasize:

- Assets, strengths and positive mental health
- Respect for cultural and individual diversity
- Scientific foundation for all activities
- Developmental models of human growth
- Relatively brief counseling interventions
- Person-environment interaction
- Education
- Career/vocational development

Counseling psychologists recognize the value of human diversity. The program emphasizes faculty and student competence in dealing with the broad range of diversity in both practice and science settings. Our commitment to cultural and individual diversity is reflected in:

- Faculty composition
- Student recruitment
- Scholarship
- Course content and offerings
- Practicum opportunities
- Community service and consultation

Education in counseling psychology follows a developmental model in which science-practice integration is emphasized throughout the program. Early and progressive training is provided in research, culminating in professionals who can design, conduct and evaluate research relevant for counseling psychologists. Similarly, early and progressive training in practice activity is emphasized.

Program graduates will apply the values of counseling psychology to their work in a variety of employment settings, and as scientist-practitioners, their practice is informed by research and approached with a scientific attitude.

Counseling psychologists abide by the American Psychological Association Ethical Principles and Codes of Conduct. Students will understand the ethical, legal and professional issues related to the science and practice of counseling psychology.

More information about the program can be found at http://education.umkc.edu/CEP/.

Admission Criteria

The program is designed for bachelor's-level and master's-level applicants. A prerequisite background of core courses is required prior to acceptance into the program. These courses include undergraduate or graduate level: general psychology, theories of personality, tests and measurement, abnormal psychology, experimental psychology and introductory statistics. Students who have two or fewer deficiencies may be admitted. Such students must complete these deficiencies within one year of beginning study.

Recommended minimum for bachelor's level applicants:

- The completion of a bachelor's degree with a major in psychology.
- GRE combined verbal and quantitative scores of 1,000, plus the writing score of 4.5 or above, obtained within the last five years.
- An overall undergraduate 3.0 GPA covering all college work taken prior to the bachelor's degree.

Recommended minimum for master's level applicants:

- The completion of a master's degree or equivalent in counseling or a closely related area.
- GRE combined verbal and quantitative scores of 1,000, plus the writing score of 4.5 or above, obtained within the last five years.
- An overall undergraduate 3.0 GPA or graduate 3.5 GPA with an undergraduate 2.75 GPA.

Individual applicants will be evaluated using the following dimensions: academic potential, interpersonal skills, contribution to programs diversity, research potential and professional identity and involvement. Candidates are also evaluated on the basis of the fit between their research interests and those of program faculty.

Alternative Criteria: students who do not meet the regular recommended criteria may be admitted under alternative criteria provided there is good reason to believe that the regular criteria do not adequately manifest the student's potential to do quality work in the program.

Admission Procedures:

Using the above criteria, the applicant screening committee will typically select up to 30 applicants to be offered interviews. Personal interviews may be requested, but are not required. From those interviewed, selected applicants will be offered admission. In addition, the committee selects a list of those who were interviewed to serve as alternates. Candidates offered admissions will be required to respond to the invitation by April 15 or within 15 days after notification.

Admission Requirements

Application packets for the Counseling Psychology Program can be obtained from the program's Web site: http://education.umkc.edu/CEP/phd/index.asp If needed, you may contact the UMKC Office of Admissions either by phone (816) 235-**1111**, or by e-mail admit@umkc.edu. You may also contact the Counseling Psychology Program at (816) 235-**2722**.

Applications are accepted only for the fall semester and must be completed and received by Jan. 15. Application materials must be submitted to two separate offices on campus: A. The UMKC Admissions Office, **-and-** B. The Counseling Psychology Admissions Committee.

A. Materials to be sent to the UMKC Admissions Office:

1. UMKC application for admission (May be completed electronically at http://www.umkc.edu/admissions.
2. Application fee (May be completed electronically at http://www.umkc.edu/admissions.
3. Official transcripts from all post-secondary institutions.
4. Official Graduate Record Examination (GRE) (taken within the last five years).

Mailing Address
University of Missouri-Kansas City
Office of Admissions
120 Administrative Center
5100 Rockhill Road
Kansas City, MO 64110-2499

B. Materials to be sent to Counseling Psychology:

1. Curriculum vitae including the following information:
   - Personal information (address, phone, e-mail)
   - Educational background
   - Relevant clinical and research experience
   - Recent volunteer work
   - Honors or awards
   - Membership/leadership in professional organizations
   - Presentations and publications
2. Three letters of recommendation, with evaluation forms as provided by UMKC:
   - Raters should address your suitability for professional studies in a mental health service profession.
   - Raters should have knowledge of your interpersonal and intellectual functioning and skills in research, counseling and written and oral communication.
   - Raters should enclose their letters of recommendation along with the provided rating sheet in an envelope and sign their names across the back of the envelope.
   - Letters in sealed envelopes should be collected by the applicant and *submitted with all other application materials*.
3. Personal statement (2-3 pages) detailing professional goals, including research and applied interests.
4. Photocopy of the UMKC application for admission.
5. Photocopy of transcripts.
6. Photocopy of GRE scores.
7. Cover sheet for the Ph.D. in Counseling Psychology.
8. Self-addressed stamped envelope.

Mailing Address
University of Missouri-Kansas City
ATTN: Counseling Psychology Admissions Committee
215 Education Building
5100 Rockhill Road
Kansas City, MO 64110-2499

INTERDISCIPLINARY, PH.D.

Refer to the School of Graduate Studies http://sgs.umkc.edu/ for more information.

COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION (CPCE)

- 5500 Introduction To Professional Counseling (3)
- 5502 Fndtns Of Elementary & Secondary School Counseling & Guidance (3)
- 5503 Psychopathology: Diagnoses And Classification (3)
- 5504 School Guidance Programs (3)
- 5505 Career Development I (3)
- 5515 Assessment Methods In Professional Counseling (3)
- 5520 Theories Of Counseling (3)
- 5521 Special Counseling Methods - Substance Abuse (3)
- 5527 Theory And Methods Of Sexual Counseling (3)

- 5530 Methods Of Counseling (3)
- 5531 Counseling Practicum I (3)
- 5532 Counseling Practicum II (3)
- 5533 Couples And Family Therapy Practicum (3-6)
- 5534 Practicum For The Assessment Of Children And Adolescents (3)
- 5539 Continuing Counseling Practicum (1-6)
- 5540 Theories And Methods In Group Counseling (3)
- 5541 Couples And Family Therapy (3)
- 5542 Theories And Techniques Of Family Systems Therapy (3)
- 5550 Organization And Administration Of Counseling Programs (3)
- 5551 Counseling In A Pluralistic Society (3)
- 5553 Ethics And Professional Issues In Counseling (3)
- 5575 Internship In Counseling (3-16)
- 5589 Special Topics (1-6)
- 5589CA Special Topics (1-6)
- 5589NP Special Topics (1-6)
- 5589PT Special Topics (1-6)
- 5589SG Special Topics (1-6)
- 5589TL Special Topics (1-6)
- 5590 Seminar (3)
- 5590CF Seminar (3)
- 5598 Individual Studies (1-6)
- 5599 Research And Thesis (1-9)
- 5600 Introduction To Counseling Psychology (1)
- 5605 Career Development II (3)
- 5609 Assessment II: Intellectual And Cognitive Assessment (3)
- 5610 Theoretical And Professional Issues In Counseling Psychology (3)
- 5615 Survey Of Research In Counseling Psychology (3)
- 5620 Advanced Theories And Methods Of Counseling (3)
- 5631 Advanced Counseling Practicum (3)
- 5632 Practicum In Group Counseling (3)
- 5633 Advanced Couples & Family Practicum (3)
- 5634 Practicum For The Assessment Of Children And Adolescents (3)
- 5639 Continuing Advanced Counseling Practicum (1-6)
- 5640 Theories And Methods Of Counseling Supervision (2)
- 5641 Supervision Practicum (1)
- 5645 Projective Testing (3)
- 5650 Seminar In Current Issues In Counseling Psychology (3)
- 5675 Internship In Counseling Psychology (1-16)
- 5690 Special Problems (1-6)
- 5699 Research And Dissertation (1-16)

CURRICULUM AND INSTRUCTION (EDCI)

- 5504 Social Studies In The Elementary And Middle School (3)
- 5505 Introduction To Curriculum Theory (3)
- 5506 Curriculum Design (3)
- 5508 Curriculum And Methods For Teaching The Non-Motivated Learner (3)
- 5509 Reducing Risk Factors For Students In Educational & Community Stn (3)
- 5511 Developing Multidisciplinary Problem Solving Skills (3)
- 5512 Strategies For Effective Classroom Management (3)
- 5513 Effective Communication In The Classroom (3)
- 5515 Integrated Arts As A Model For Classroom Instruction (3)
- 5517 Teaching Methods And Practices (3)
- 5520 English Curriculum In The Middle And High School (3)
- 5522 Language Arts Curriculum In The Elementary And Middle School (3)
- 5523 Advanced Literature For Children (3)
- 5531 Diagnosis And Remediation Of Mathematics Learning Problems (3)
- 5536 Specialized Secondary School Curriculum Mathematics (3)
- 5539 Mathematics Curriculum Development (3)
- 5540 Evaluation Of Computer Software (3)
- 5541 Teaching Mathematics With Computer (3)
- 5544 Theory and Research in Second Language Teaching and Learning (3)
- 5545 Linguistics for ESOL Teachers (3)
- 5546 Literacy Development/Biliteracy (3)
- 5547 Second Language Acquistion (3)
- 5548 English As A Second Language In Content Areas (3)
- 5549 Practicum In English As A Second Language (3)
- 5551 Science Curriculum In The Middle And High School (3)
- 5553 Curriculum And Instruction In Science (3)
- 5554 Assessment In Science Education (3)
- 5560 Teaching And Learning In The Urban Classroom (3)
- 5561 Teaching Diverse Populations In Today's Classrooms (3)
- 5562 Teaching For Equity And Social Justice (3)
- 5563 Multicultural Perspectives In Education (3)
- 5565 Social Studies Curriculum Elementary Education (3)
- 5566 Social Studies Curriculum In The Middle And High School (3)
- 5570 Curriculum And Instruction In Technology (3)
- 5571 Cognition & Technology (3)
- 5572 Assessing The Role Of Technology In Education (3)
- 5573 Development Learning Tech Progs:Traditional & Non-Trad Settings (3)
- 5575 Internship - Early Childhood (3-16)
- 5576 Administration Of Early Childhood Programs (3)
- 5578 Play In Early Childhood Education (3)
- 5579 History, Theories, And Issues In Early Childhood Education (3)
- 5580 Curriculum In Early Childhood Education (3)
- 5581 Infant-Toddler Programs: Research Theory And Practice (3)
- 5582 Program Models In Early Childhood Education (3)
- 5583 Supervision In Early Childhood Education (3)
- 5584 Early Childhood Culminating Project (1-6)
- 5585 Teaching and Learning with Techonolgy (3)
- 5589 Special Topics In Education (1-6)
- 5589AM Special Topics In Education (1-6)
- 5589CD Special Topics In Education (1-6)
- 5589HR Special Topics In Education (1-6)

- 5589SC Special Methods Science (5)
- 5589SE Special Methods English (5)
- 5589SM Special Methods Math (5)
- 5589SS Special Methods Social Studies (5)
- 5589TM Special Topics In Education (1-6)
- 5590 Seminar (3)
- 5591 Curriculum & Instruction For The 21St Century (3)
- 5595 Action Research For Practitioners (3)
- 5596 Classroom Assessment (3)
- 5598 Individual Studies (1-6)
- 5618 Survey Of Research In Curriculum (3)
- 5619 Curriculum Evaluation (3)
- 5620 Seminars In Theories Related To Curriculum (3)
- 5640 Apprenticeship And Conference In College Training (2-5)
- 5690 Special Problems (1-6)
- 5697 Dissertation Curriculum And Instruction (1-16)

EDUCATION (EDUC)

- 5501 Teaching Of Reading (3)
- 5534 Reading Assessment And Evaluation (3)
- 5542 Introduction Diagnostic-Treatment Procedures In Reading (3)
- 5552 Advanced Diagnostic And Treatment Procedures In Reading (3)
- 5575R Internship In Reading (3-16)
- 5589AQ Special Topics In Education (1-6)
- 5589B Special Topics In Education (1-6)
- 5589Q Special Topics In Education (1-6)
- 5590R Seminar In Reading (3)
- 5598 Individual Studies (1-6)
- 5598A Individual Studies In Administration (1-6)
- 5598B Individual Studies In Mathematics (1-6)
- 5598C Individual Studies Curriculum (1-6)
- 5598H Individual Studies Higher Education (1-6)
- 5598J Individual Studies Philosophy Of Education (1-6)
- 5598P Individual Studies Educational Psychology (1-6)
- 5598Q Individual Studies Early Childhood Education (1-6)
- 5598R Individual Studies Education Reading (1-6)
- 5598S Individual Studies Research (1-6)
- 5598SA Individual Studies Research (1-6)
- 5598U Individual Studies History Of Education (1-6)
- 5598X Individual Studies Sociological Foundations (1-6)
- 5599 Research And Thesis (1-9)
- 5601 Organizing And Guiding The Reading Program (3)
- 5621 Practicum In Curriculum And Instruction (3-6)
- 5640 Apprenticeship And Conference In College Training (2-5)
- 5650 Seminar In Dyslexia And Related Learning Disabilities (3)
- 5690 Special Problems (1-6)
- 5695 Doctoral Dissertation: Reading Education (1-16)
- 5696 Dissertation Administration And Community Leadership (1-16)
- 5697 Dissertation Curriculum And Instruction (1-16)
- 5698 Dissertation General Education (1-16)
- 5899 Required Graduate Enrollment (3)

RESEARCH AND PSYCHOLOGY (EDRP)

- 5502 Advanced Educational Psychology (3)
- 5505 Statistical Methods I (3)
- 5508 Principles And Methods Of Research (3)
- 5510 Child Behavior And Development (3)
- 5512 Adolescent Development And The School (3)
- 5513 Life Span Human Development (3)
- 5522 Principles Of Testing (3)
- 5575 Internship (3-16)
- 5576 Educational Technology (3)
- 5589 Special Topics In Education (1-6)
- 5589CP Special Topics In Education (1-6)
- 5589DB Special Topics In Education (1-6)
- 5589PR Special Topics In Education (1-6)
- 5589SE Special Topics In Education (1-6)
- 5590 Individual Studies (1-6)
- 5604 Cognitive Processes In Learning And Instruction (3)
- 5605 Quantitative Analysis I: Regression And Analysis Of Variance (3)
- 5606 Quantitative Analysis II : Multivariate Data Analysis (3)
- 5608 Introduction To Graduate Research (3)
- 5610 Research Design & Methodology (3)
- 5615 Qualitative Research Theory & Design Educational Setting. Part 1 (3)
- 5616 Qual Data Collection And Analysis In Educational Settings. Part 2 (3)
- 5625 Program Evaluation For Education & Social (3)
- 5639 Educational Psychology: Focus On College Teaching (2-3)
- 5640 Apprenticeship And Conference In College Training (1-3)
- 5690 Special Problems (1-6)
- 5698 Dissertation In Educational Research & Psychology (1-16)

SPECIAL EDUCATION (EDSP)

- 5506 Iep, Transition, And The Law (3)
- 5507 Introduction To Mild/Moderate Cross-Categorical Disabilities (3)
- 5508 Evaluation Of Abilities & Achievement In Special Education (3)
- 5509 Cognition & Lang Dev In Mild/Mod Cross-Categorical Disabilities (3)
- 5510 Apprenticeship Teaching In M/M Cross-Categorical Disabilities (1-4)
- 5513 Methods Of Teaching Students M/M Cross-Categorical Disabilities (3)

- 5514 Soc & Affective Interventions M/M Cross-Categorical Disabilities (3)
- 5516 Philosophical & Family Issues In Special Education (3)
- 5517 Characteristics, Hist & Thrys: Emotional Disturbance In Children (3)
- 5570 Practicum In M/M Cross-Categorical Disabilities (1-6)
- 5589 Special Topics In Education (1-6)
- 5598 Individual Studies (1-6)

URBAN LEADERSHIP (EDUL)

- 5501 Foundations Of School Leadership & Organization (6)
- 5502 Building Administration And Management (6)
- 5503 Student, Staff And Organization Development (6)
- 5504 Elementary School Administration (3)
- 5505 Middle School Administration (3)
- 5506 Secondary School Administration (3)
- 5507 School Supervision (3)
- 5508 Special Education Administration (3)
- 5510 Planning Educational Facilities (3)
- 5511 Public School Business Administration (3)
- 5512 School Finance (3)
- 5513 School Personnel Administration (3)
- 5514 Public Relations In Education (3)
- 5515 Governmental And Legal Aspects Of Education (3)
- 5516 Governmental And Legal Aspects Of Special Education (3)
- 5520 School Administration In A Metropolitan Context (3)
- 5522 School Organizational Culture As The Context Of Change (3)
- 5523 Administrative Roles For Instructional Leadership (3)
- 5524 Philosophical Inquiry And Education (3)
- 5525 Cultural Foundations Of Education (3)
- 5526 Philosophical Foundations Of Education (3)
- 5527 Historical Foundations Of Education (3)
- 5528 Sociological Foundations Of Education (3)
- 5550 Organization And Administration Of Higher Education (3)
- 5551 Student Affairs Administration In Higher Education (3)
- 5552 Financial Aspects Of Higher Education (3)
- 5555 Community College (3)
- 5556 The College Student (3)
- 5557 Legal Aspects Of Higher Education (3)
- 5558 Advanced Student Development Theory (3)
- 5559 Current Issues In Higher Education (3)
- 5560 Leadership In Higher Education (3)
- 5562 Gender & Leadership In Educ: Implications For Prof. Effectiveness (3)
- 5564 History Of Higher Education (3)
- 5565 Metropolitan University (3)
- 5566 Racial And Ethnic Diversity, And Cultural Understanding (3)
- 5567 Higher Education Capstone (0-3)
- 5570 Administrative Practicum Higher Education (3-6)
- 5571 Internship In Higher Education (3-16)
- 5572 Higher Education Administration: The Profession (3)
- 5574 Administrative Practicum (3-6)
- 5575 Internship In Administration (3-16)
- 5589 Special Topics In Educational Leadership (1-6)
- 5589CP Special Topics In Educational Leadership (1-6)
- 5589EA Special Topics In Educational Leadership (1-6)
- 5589ED Special Topics In Educational Leadership (1-6)
- 5589EL Special Topics In Educational Leadership (1-6)
- 5589ET Special Topics In Educational Leadership (1-6)
- 5589SM Special Topics In Educational Leadership (1-6)
- 5590 Seminar (3)
- 5598 Individual Studies (1-6)
- 5601 Research In Education Administration: Qualitative Theory & Design (3)
- 5602 Seminar In The History Of American Urban Education (3)
- 5603 Research In Education Administration: Qualitative Data & Analysis (3)
- 5616 Analysis Of Educational Theory Formation (3)
- 5626 Theory In Educational Administration (3)
- 5627 Advanced Educational Supervision (3)
- 5628 The Superintendency (3)
- 5635 Topics In Higher Education (3)
- 5640 Apprenticeship And Conference In College Training (2-5)
- 5655 Studies In Philosophy Of Education (3)
- 5660 Effective Practices II (3)
- 5685 Problems And Issues In Education & Urban Leadership (3)
- 5690 Special Problems (1-6)
- 5690A Special Problems (1-6)
- 5696 Dissertation Administration And Community Leadership (1-16)

History and Overview

HISTORY AND OVERVIEW

The School of Education, organized officially as a separate academic division in 1954, was the result of the University of Kansas City's involvement in professional education since 1940. At that early date the University was offering an M.A. in education, heavily liberal-arts laden, with most classes conducted in the summer and evenings. An undergraduate major in elementary education was established in 1952, and the first University of Kansas City doctoral program, the Ph.D. in education, was inaugurated with the organizing of the school in 1954. Since 1954, the school has grown to include three disciplinary divisions with 18 programs, offering bachelor of arts, master of arts, educational specialist and doctor of philosophy degree programs. Several degree and certification programs are offered in cooperation with the the School of Biological Sciences, the Conservatory of Music and the College of Arts and Sciences.

Mission

MISSION

The mission of the School of Education is that of empowering professionals as reflective practitioners committed to a more just and democratic society. This mission is centered on five key values which embody the knowledge, skills and dispositions expected of our candidates across the School of Education. The goals defined by individual programs are more specific subsets of these broader goals:

1. Academic excellence.
2. Inquiry leading to reflective decision-making and problem-solving.
3. Skilled and knowledgeable professionals working collaboratively.
4. Democracy and social justice.
5. Creating caring and safe environments.

Curricula Objectives

CURRICULA OBJECTIVES

The overall goal of the School of Education is the development of broadly educated, competent practitioners who are able to engage in critical and cooperative inquiry rather than act merely as functionaries in an education system. The School aspires to provide for an increasing diversity of educational specialists who are grounded in both theory and practice and can deal effectively with the problems and needs of a culturally, socially and politically diverse society.

The primary objectives of the School of Education, which stem from our conceptual framework, mission, and values, are:

- To provide sound theoretical foundations and practical skills at the undergraduate and graduate levels required for competent performance by teachers, administrators and special-services personnel in schools, colleges and universities in a culturally pluralistic society.
- To provide graduate education and research skills which are supportive of and lead to advanced levels of scholarly achievement.
- To provide a diversity of specialized education and training programs for persons engaged in educational roles in non-school settings such as governmental agencies, social service agencies, mental and physical health care institutions, business and industrial organizations and private practice.
- To provide leadership, consultation and other support services for quality improvement in planning and conducting educational programs in schools, higher education institutions, and community agencies and organizations.
- To provide professional development opportunities for educators at all levels through specially designed programs in research, continuing education instruction, in-service programs and workshops.
- To impact the student learning in classrooms and communities throughout Missouri and the region in positive and meaningful ways.
- To make original contributions to the broad field of professional education through basic and applied research by both faculty and students.

Accreditation

ACCREDITATION

The teacher education programs of the School of Education are accredited at the bachelor's, master's, educational specialist and doctoral levels by the National Council for Accreditation of Teacher Education for the preparation of elementary teachers, secondary teachers and other school personnel.

The School of Education is a member of the American Association of Colleges of Teacher Education.

The Ph.D. program in Counseling Psychology is accredited by the American Psychological Association.

Programs for the preparation of teachers and other school personnel are approved by the Missouri Department of Elementary and Secondary Education.

Advising and Student Services

ADVISING AND STUDENT SERVICES

The School of Education Student Services Office mission is to facilitate student success by providing quality services and support in the spirit of building a community of learners. The office is a referral and resource for all students in the School of Education. Primary responsibilities are to provide quality advising for undergraduates and to coordinate the processing of certification. The staff also assists with recruitment events, contact with prospective students, freshmen and transfer orientation, admissions to teacher education, School of Education scholarship materials, commencement and other student-centered activities.

Academic advisers are available to meet with undergraduate education majors and those seeking teacher certification. Academic advisers can be reached by contacting Education Student Services at (816) 235-**2234**.

Additionally, each student is assigned a faculty adviser. Faculty advisers are available for assistance in program and career planning. Graduate students are encouraged to contact their department within the first semester to connect with their faculty adviser.

Scholarships

SCHOLARSHIPS

The School of Education has the following named scholarships to offer students enrolled in an education degree program. All scholarships are formally announced in January, with selection completed in March for awarding the following academic year. Application materials are available in January from the Education Student Services Office and are due by March 1 each year. All scholarship recipients are selected by the School of Education Scholarship Committee.

Dr. Phyliss L. Bernstein Scholarship

Doctoral students currently enrolled in the School of Education's Counseling Psychology Program may apply. Criteria for selection includes academic achievement, financial need and skills in interpersonal relations as demonstrated by leadership in campus or community involvement.

Wheadon Bloch Scholarship

Established in 1990 in honor of Professor Emeritus Wheadon Bloch, this scholarship supports a graduate student who has excellent academic, research and leadership skills. Preference given to students in Higher Education Administration.

Pallas K. Cockefair Scholarship

This scholarship was established to assist full-time junior or senior students in the teacher education program.

George and Grace Fox Fellowship

This research fellowship was established to assist a doctoral student interested in preparing for a career in the correction and prevention of reading disabilities in a college, university or public school setting. The recipient carries out research and scholarly activities under the direction of language and literacy faculty.

George and Grace Fox Scholarship

This scholarship was established to assist students interested in preparing for a career in the correction and prevention of reading disabilities in a college, university or public school setting.

Patricia J. Gier Memorial Scholarship

In recognition of Patricia J. Gier, this scholarship is available to an undergraduate or graduate student pursuing a degree in teacher education. Preference may be given to a non-traditional female student.

Lena and Haddon Hill Scholarship

Endowed by Professor Emeritus Shirley A. Hill in honor of her parents in 1993, this scholarship is awarded to students who plan a career teaching mathematics at any level. Preference is given to females.

Kansas City Elementary Teachers' Club Scholarship

This scholarship, endowed by the Kansas City Elementary Teachers Club, is for elementary or secondary education majors who demonstrate characteristics of a successful teacher and are entering their final year of the teacher education program.

Ralph Parish Memorial Scholarship

Through the generosity of the friends and family of Ralph Parish, a scholarship shall be awarded to a deserving undergraduate or graduate student in the School of Education. Preference is given to minority students.

Marian Alice Simmons Scholarship

In memory of Marian Alice Simmons, long time School of Education reading instructor and mentor. Preference is given to full time student(s) seeking a teaching degree.

Ruth G. & Phillip W. Snyder Scholarship

A scholarship is awarded annually to an elementary education major or someone involved in elementary schools. Students must be involved in community and/or campus activities.

Hugh Speer Fellowship

Established to honor the first dean of the UMKC School of Education, the Hugh Speer Fellowship provides financial support for graduate students in higher educational administration. Preference is given to a student planning to teach or work within a community college setting.

Joseph and Gwen Speyer

This scholarship will be awarded to a student enrolled in Special Education master's program who demonstrates commitment to the field and financial need.

Helen Lee Stevens Scholarship

Established to honor a pioneer faculty member in counseling psychology, the Helen Lee Stevens scholarship is awarded to entering counseling psychology doctoral students who demonstrate excellent academic potential. The faculty of the Division of Counseling and Educational Psychology name the recipient of this award. There is no application.

Mark Avery Stitt Memorial Scholarship in Teacher Education

This scholarship will be awarded to a student that has been admitted to the Teacher Education program. Preference will be given to history or social studies education majors. Recipient must demonstrate financial need.

Thomas & Teresa Sullivan Scholarship

One scholarship is available to fund a middle school or secondary education student. Preference shall be given to first-generation college students and/or students majoring in mathematics education.

College Club Esther Teague Scholarship

This scholarship was established by the College Club in honor of long time kindergarten teacher, Esther Teague. Scholarships are awarded to deserving education majors entering their final year of the teacher education program.

UMKC School of Education Alumni Association Board Scholarship

This scholarship was established through the diligence of the School's Alumni Association. A deserving graduate student in the School of Education is awarded the scholarship annually.

Terrence R. and Linda D. Ward Scholarship

This scholarship is available to all majors in Education. Preference will be given to a graduate of the North Kansas City School District.

Dr. Warren Wheelock Scholarship in Reading Education

Established in 1994 to honor Professor Warren Wheelock, this scholarship supports a pre-service teacher who is familiar with the principles and practices of sound reading instruction and who is committed to a prevention model philosophy.

Hazel Browne Williams Scholarship

Recognizing the first Black faculty member at UMKC, the scholarship is open to degree-seeking students at the undergraduate or graduate level. Preference is given to

minority students.

Student Organizations

STUDENT ORGANIZATIONS

The *School of Education Student Government* strives to expand the students' academic concerns and abilities, promote students' involvement in the School of Education and the University, act on all matters concerning students' welfare, aid faculty and students in cooperative work and promote a professional attitude and feeling of responsibility.

The *American Psychological Association -- Student Affiliate Group* encourages professional development within the field of counseling psychology. It also serves as a meeting time for the members to discuss issues and concerns of the counseling psychology doctoral program. It encourages students to organize educational, social and fundraising events, and to act as a liaison with the counseling psychology faculty and the UMKC community.

The Kansas City Council of the International Reading Association works closely with the Division of Curriculum and Instructional Leadership and language and literacy faculty to provide programs that acquaint teachers and administrators with issues, special methods and materials in the field of reading education.

Pi Lambda Theta recognizes persons of superior scholastic achievement and high potential for professional leadership; to stimulate independently thinking educators who can ask critical questions to improve educational decision-making.

The purpose of the *Student Personnel Association* is to create a sense of community among students interested in the study of higher education by providing opportunities to interact with each other and discuss common issues and concerns, encouraging social unity and promoting the educational development of members.

Phi Delta Kappa is an honorary education society with the purpose of improving schooling through research and shared information. The national organization publishes high-quality materials in the field of education, and the local chapter sponsors workshops, informational meetings and service projects.

The *Student Missouri State Teachers Association* promotes professional ideals by developing communication, interaction and cooperation among existing chapters, coordinates their major activities, projects and programs, aids in the establishment of new chapters, and establishing and meeting Student-MSTA membership goals. Activities provide personal growth, leadership training and experiences. The activities also provide opportunities by which students may observe and share the work of the teachers in every aspect. This is to promote and cultivate high quality teaching in the education profession.

Special Services

SPECIAL SERVICES

Reading Clinic

Diagnostic and remedial services in reading are available for elementary and high school students who are having difficulty in reading. Contact the Division of Curriculum and Instructional Leadership at (816) 235-**2245** for additional information.

Public School Centers

A number of public schools in the Kansas City metropolitan area cooperate with the School of Education by making available their facilities and staffs for observations, student teaching and demonstrations. These schools are designated centers because of the close relationships that have been developed between UMKC and public schools. The use of the centers ensures that observations and student teaching are closely interwoven with the coursework throughout the program to provide close union of theory and practice. During student teaching, students are under the guidance of cooperating teachers and members of the University's education staff. Weekly seminars are a required part of the program.

Placement

There is a significant local and national demand for teachers. More than 7,000 teaching positions exist in the greater Kansas City area. In addition to those local opportunities, School of Education graduates hold teaching positions across the nation.

Students or graduates seeking a teaching or administrative position are urged to register and keep their records current in the Career Services Office, 4825 Troost, phone (816) 235-**1636** or check their Web site: http://www.career.umkc.edu/.

Technology Learning Laboratory

The School of Education Technology Learning Laboratory is available for all School of Education students, faculty and staff. Individualized instruction is available by appointment, call (816) 235-**2250**. Computers with the PC and Mac platforms are available.

Office of Continuing Education

Through Continuing Education, hundreds of courses are offered to teachers and other community members throughout the Greater Kansas City area and beyond. Credit and non-credit courses are offered throughout the year at various locations and at various time. Continuing Education has numerous online offerings to fit any schedule. For course topics and additional information, visit our Web site at http://education.umkc.edu/CE/ or call (816) 235-**1188**.

Division of Counseling and Educational Psychology

DIVISION OF COUNSELING AND EDUCATIONAL PSYCHOLOGY

AREAS OF STUDY AND DEGREES

Chair:

Nancy Murdock, Ph.D.
(816) 235-**2722**

- Areas of Study and Degrees
- Faculty Scholastic Activity and Research Interests

AREAS OF STUDY AND DEGREES

- M.A. Counseling and Guidance; Emphasis Areas: School Counseling, Mental Health, Couples and Family, and Substance Abuse
- Ed.S. Counseling and Guidance
- Ph.D. Counseling Psychology

Faculty Scholastic Activity and Research Interests

The faculty in Counseling and Educational Psychology embodies a diverse gathering of expertise and interest. Faculty members conduct research in a wide variety of counseling and education-related areas, direct grant programs, and counsel clients in therapy. Individual and cultural diversity is paramount to the division, and faculty members attend to diversity issues in both coursework and research. Faculty members are invested in advising students in research, evaluation and counseling endeavors in order to help them achieve their educational goals.

Division of Curriculum and Instructional Leadership

Division of Curriculum and Instructional Leadership

Areas of Study and Degrees

Chair:

Sue Vartuli, Ph.D.
(816) 235-**2241**

- Areas of Study and Degrees
- Student Learning Outcomes
- Student Academic Assessment Policy
- Faculty Scholastic Activity and Research Interests

Areas of Study and Degrees

- B.A. Early Childhood Education
- B.A. Elementary Education
- B.A. Middle School Education (English, Mathematics, Science, Social Studies)
- B.A. Secondary Education; Certification areas: Art, English, Foreign Language (French, German, Spanish), Mathematics, Natural Sciences (Biology, Chemistry, Earth Science, Physics) and Social Sciences
- M.A. Curriculum and Instruction; Emphasis Areas: Early Childhood, Elementary, General, Learning Technologies, Multicultural Education, Subject Matter Specialty and Teaching English to Speakers of Other Languages
- M.A. Reading Education (Elementary, Secondary, Special)
- M.A. Special Education (Mild/Moderate Cross-Categorical Disabilities)
- Ed.S. Curriculum and Instruction; Emphasis Areas: Early Childhood, Elementary, Middle School or Subject Matter Specialty and Curriculum Theory and Leadership Subject Matter Specialty,
- Ed.S. Reading Education
- Ph.D. Interdisciplinary (Education and other disciplines) (See School of Graduate Studies http://sgs.umkc.edu/)

Student Learning Outcomes

1. Teachers are committed to students and their learning. (Diversity, Core Concepts)
    - Teachers recognize individual differences in their students and adjust their practice accordingly.
    - Teachers have an understanding of how students develop and learn.
    - Teachers treat students equitably.
    - Teachers' mission extends beyond understanding the cognitive capacity of their students.
2. Teachers know the subjects they teach. (Curriculum Design, Content Knowledge)
    - Teachers appreciate how knowledge in their subjects is created, organized and linked to other disciplines.
    - Teachers expose their students to different modes of critical thinking.
    - Teachers teach students to think analytically about content.
3. Teachers know how to teach those subjects to students. (Pedagogy, Technology in Instruction)
    - Teachers command specialized knowledge of how to convey a subject to students.
    - Teachers generate multiple paths to knowledge.
    - Teachers have knowledge of available curricular resources including technological innovations.
4. Teachers are responsible for managing and monitoring student learning. (Assessment, Pedagogy)
    - Teachers call on multiple methods to meet their goals.
    - Teachers orchestrate learning in small and large group settings.
    - Teachers place a premium on student engagement.
    - Teachers regularly assess student progress.
    - Teachers are mindful of their principle objectives.
5. Teachers think systematically about their practice and learn from experiences. (Research, Reflection)
    - Teachers are continually making difficult choices that test their judgment.
    - Teachers seek the advice of others and draw on education research and scholarship to improve their practice.
    - Teachers understand the importance of educational research, its relevance to daily classroom practice and justify practice based on sound research outcomes.
6. Teachers are members of learning communities. (Professional Activism)
    - Teachers contribute to school effectiveness by collaborating with other professionals.
    - Teachers work collaboratively with parents.
    - Teachers take advantage of community resources.

Student Academic Assessment Policy

The National Council for Accreditation of Teacher Education, the accreditation body for the School of Education, has standards which require that candidates demonstrate the knowledge, skills and professional dispositions necessary for educators and educational leaders. The academic assessment of a student in the School of Education is a significant event for both the student and the faculty. It represents an evaluation by the faculty of student competency in academic skills and/or in other critical areas of professional conduct.

At any point during the student's matriculation through the program, the faculty retains the right to review any student behavior that may affect the welfare of the student or others. Such a review may result in the student being encouraged to receive additional support and assistance or possibly not being permitted to continue in the program. The following are offered as examples of behaviors that are the basis for evaluation of student progress:

1. Failure to maintain academic standards (e.g., 3.0 GPA).
2. Academic dishonesty (e.g., cheating, plagiarism).

3. Unethical or unprofessional behavior which could include but is not limited to, dishonesty; lack of collegiality, cooperation, or responsibility; inability to handle stress; abrasiveness; lack of timeliness; to name a few.
4. Behaviors that obstruct the leadership process and/or threaten the welfare of the student or others (e.g., verbal abuse, physical abuse, active substance abuse).
5. Failure to comply with established University or Program timetables, requirements, and policies (e.g., failure to meet time limits for completion of degree program).
6. Violation of federal, state, or local laws on UMKC premises or at UMKC sponsored or supervised activities.
7. Consideration may be given to other circumstances as they arise.

Procedures for Student Evaluation

To protect student interests as well as the rights of faculty to uphold the academic and professional standards of the academic program, the following steps may be taken as part of the academic review process.

1. If a concern about student behavior develops within the context of a course or at a field experience, the course instructor and/or field supervisor documents concerns and notifies the student's faculty adviser. The instructor meets with the student (and the faculty adviser if needed) to outline deficiencies and establish a remedial course of action (if appropriate). Chronological time frames may be established to evaluate performance. Others (i.e., program faculty or professionals and agents outside the university) who have university- related concerns about a student outside of the context of a course may communicate their concerns directly to the appropriate division chair or the Dean's Office. (Such discussions are governed by the Family Educational Rights and Privacy Act.)
2. If the instructor(s) has made a reasonable determination with adequate documentation that a pattern of severe problems exists, he or she warrants additional action beyond that already taken. Then the instructor will communicate the concerns, actions taken and their outcomes to the faculty adviser and Division Chair and request a hearing panel be assembled to review the student's status.
3. The student will be informed in writing by the Division Chair of the concerns and a hearing will be set by the Dean's Office with the program faculty (at least three faculty, in addition to the faculty member filing the complaint, must be present) and the student. An Associate Dean will present the scenario(s) and the student will have a right to respond to the allegations. The hearing panel may ask questions of both parties. The student may bring another person of support to the hearing but this individual may not speak on behalf of the student. The student will receive copies of all written documentation related to the allegations in advance of the hearing. This hearing will determine the student's status in the program.
4. The program faculty will notify the student in writing of the outcome of the hearing and make a recommendation to the Dean.
5. The student has a right to appeal the decision of the program faculty and must notify the Dean in writing within ten business days of the faculty decision. Another hearing will take place between the student and the Dean or his/her designee. The Dean reviews the recommendation and conveys a decision to the respective faculty group and the student.
6. Students who have been declared ineligible due to unsatisfactory progress or performance may appeal such decisions to the Dean of the School of Graduate Studies, as designee of the Chancellor. This appeal must be made in writing within 14 consecutive days after receipt of the registrar's notification to the student of the decision. The Dean of the School of Graduate Studies will review the full record of the case and the appeal document.
7. The decision of the Graduate Dean, as the Chancellor's designated representative in such cases, is final and will be communicated in writing to:
    1. The student
    2. The graduate faculty review group(s)
    3. The academic dean
    4. The registrar

Faculty Scholastic Activity and Research Interests

Faculty in Curriculum and Instruction have a wide variety of experiences and interests. Several faculty members conduct research on achievement and pedogogy for at-risk students, direct grant programs and work intensely and collaboratively in school settings. Faculty emphasize the importance of technology in the classroom and incorporate this content into their work. They are active in national and regional professional associations, in which many hold offices. Faculty in Curriculum and Instruction strive to facilitate high levels of professional development and leadership skills and help their students achieve their educational goals.

Division of Urban Leadership and Policy Studies in Education

Division of Urban Leadership and Policy Studies in Education

Chair:
Dianne Smith, Ph.D.
(816) 235-**2458**

- Areas of Study and Degrees
- Student Learning Outcomes
- Student Academic Assessment Policy
- Faculty Scholastic Activity and Research Interests

Areas of Study and Degrees

- M.A. Educational Administration; Emphasis Areas: Administration (Elementary or Secondary), Higher Educational Administration, and University Learning, Teaching, and Academic Support Services.
- Ed.S. Educational Administration; Emphasis Areas: Administration (Elementary or Secondary)
- Ed.D. Educational Administration; Emphasis Areas: Administration (Elementary or Secondary)
- Ph.D. Interdisciplinary (Urban Leadership and Policy Studies in Education with other disciplines) (see School of Graduate Studies http://sgs.umkc.edu/)

Student Learning Outcomes

The mission of the UMKC division of Urban Leadership and Policy Studies in Education (ULAPSIE) is to prepare and professionally advance educational leaders who are in the fields of Prek-12 and higher education. Faculty members are committed to students to ensure that they become knowledgeable, skilled, and highly effective transformational educational leaders in their schools/educational institutions communities.

Conceptual Framework and Program Goals

Goal No. 1: Educational leaders who are in the fields of Prek-12 and higher education foster learning, listening, reflection and renewal.

1. Students will develop a philosophical vision of educational institutions with high standards.
2. Students will reflect on the role of leadership in multiple community settings.

NCATE Standard 1, Elements 2, 5, 6 and 8; MoSTEP Standard 1.3.1

Goal No. 2. Educational leaders who are in the fields of Prek-12 and higher education promote diversity, equity and social justice.

1. Students will systematically and coherently frame the particular educational and social issues in schools and communities.
2. Students will identify and critically analyze those aspects of organization and culture of educational institutions regarding social justice and equity.
3. Students will plan practicum/internship projects that reflect a theme of social justice, equity, and diversity.

NCATE Standard 1, Elements 2, 5, 6 and 8; NCATE Standard 4, Elements 1, 2, 3 and 4; MOSTEP Standards 1.3.2 and 1.3.4

Goal No. 3. Educational leaders who are in the fields of Prek-12 and higher education emphasize critical inquiry, dialogue, effective communication and the importance of positive human relationships.

1. Students will explain and apply essential elements of theory and practice that are important to the successful exercise of leadership and management in public service organizations, as well as reflect upon their leadership skills and style.
2. Students will demonstrate how they would forge learning environments that are trustful and allow critical dialogue around issues of curriculum/pedagogical strategies and race, class, gender, ethnicity, socioeconomic, sexual orientation and disability.
3. Students will facilitate safe and effective learning environments for children and adults.

NCATE Standard 1, Elements 2, 5, 6 and 8; NCATE Standard 4, Elements 1, 2, 3 and 4; MoSTEP Standards 1.3.3, 1.3.5 and 1.3.2

Goal No. 4. Educational leaders who are in the fields of Prek-12 and higher education enhance the capacity of individuals to be education entrepreneurs and leaders of organizations, which reflect state-of-the –art practices and traditions.

1. Students will engage in ongoing professional development activities that encourage continued learning.
2. Students will use multiple forms of technology to advance student and adult growth.
3. Students will use TaskStream to develop formative and summative portfolio.
4. Students will understand leadership as lateral relationships, including organizational politics and conflict resolution.
5. Students will enhance their ability to diagnose organizational behavior by encouraging multi-frame thinking and analysis.

NCATE Standard 1, Elements 2, 5, 6 and 8; NCATE Standard 2, Elements 1, 2 and 3; MoSTEP Standards 1.3.2, 1.3.6 and 1.3.4

Goal No. 5. Educational leaders who are in the fields of Prek-12 and higher education create meaningful educational processes and experiences.

1. Students will create effective models of communication between leaders and constituents within educational institutions and communities.
2. Students will engage in dialogue that uncovers themes/patterns relevant to education in society.

NCATE Standard 1, Elements 2, 5, 6 and 8; MoSTEP Standard 1.3.1

Goal No. 6. Educational leaders who are in the fields of Prek-12 and higher education develop into transformational/constructivist leaders.

1. Students will develop and implement policy that is inclusive and equitable.
2. Students will write a theoretical analysis that addresses educational reform.
3. Students will learn how to make curricular content culturally relevant and meaningful.
4. Students will construct knowledge that reflects an understanding of the social and institutional context of schooling in the United States.

NCATE Standard 1, Elements 2, 5, 6 and 8; MoSTEP Standard 1.3.5

Goal No. 7. Educational leaders who are in the fields of Prek-12 and higher education create democratic educational institutions.

1. Students will practice reflexivity by keeping a reflection journal.
2. Students will demonstrate an understanding of a learning community that values individual and diverse voices.
3. Students will demonstrate an understanding of democracy as active citizenry participation in educational institutions and communities.
4. Students will explore power relations within educational institutions.
5. Students will formulate ways in which ethical and moral values promote day-to-day democratic practices in educational institutions and communities.

NCATE Standard 1, Elements 2, 5, 6 and 8; MoSTEP 1.3.6

STUDENT ACADEMIC ASSESSMENT POLICY

The National Council for Accreditation of Teacher Education, the accreditation body for the School of Education, has standards which require that candidates demonstrate the knowledge, skills and professional dispositions necessary for educators and educational leaders. The academic assessment of a student in the School of Education is a significant event for both the student and the faculty. It represents an evaluation by the faculty of student competency in academic skills and/or in other critical areas of professional conduct.

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4. Behaviors that obstruct the leadership process and/or threaten the welfare of the student or others (e.g., verbal abuse, physical abuse, active substance abuse).
5. Failure to comply with established University or Program timetables, requirements, and policies (e.g., failure to meet time limits for completion of degree program).
6. Violation of federal, state, or local laws on UMKC premises or at UMKC sponsored or supervised activities.
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2. If the instructor(s) has made a reasonable determination with adequate documentation that a pattern of severe problems exists, he or she warrants additional action beyond that already taken. Then the instructor will communicate the concerns, actions taken and their outcomes to the faculty adviser and Division Chair and request a hearing panel be assembled to review the student's status.
3. The student will be informed in writing by the Division Chair of the concerns and a hearing will be set by the Dean's Office with the program faculty (at least three faculty, in addition to the faculty member filing the complaint, must be present) and the student. An Associate Dean will present the scenario(s) and the student will have a right to respond to the allegations. The hearing panel may ask questions of both parties. The student may bring another person of support to the hearing but this individual may not speak on behalf of the student. The student will receive copies of all written documentation related to the allegations in advance of the hearing. This hearing will determine the student's status in the program.
4. The program faculty will notify the student in writing of the outcome of the hearing and make a recommendation to the Dean.
5. The student has a right to appeal the decision of the program faculty and must notify the Dean in writing within ten business days of the faculty decision. Another hearing will take place between the student and the Dean or his/her designee. The Dean reviews the recommendation and conveys a decision to the respective faculty group and the student.
6. Students who have been declared ineligible due to unsatisfactory progress or performance may appeal such decisions to the Dean of the School of Graduate Studies, as designee of the Chancellor. This appeal must be made in writing within 14 consecutive days after receipt of the registrar's notification to the student of the decision. The Dean of the School of Graduate Studies will review the full record of the case and the appeal document.
7. The decision of the Graduate Dean, as the Chancellor's designated representative in such cases, is final and will be communicated in writing to:
    1. The student
    2. The graduate faculty review group(s)
    3. The academic dean
    4. The registrar

FACULTY SCHOLASTIC ACTIVITY AND RESEARCH INTERESTS

Faculty in Urban Leadership and Policy Studies have a wide variety of experiences and interests. Faculty members engage in research and consult on education-related issues in both public and higher education. The faculty are committed to multiculturalism and the importance of diversity in education settings. They advise students in research and administrative endeavors, and help them achieve their professional career goals.

Centers and Projects

CENTERS AND PROJECTS

http://education.umkc.edu/centers.asp

Kansas City Regional Professional Development Center

The Kansas City Regional Professional Development Center (KCRPDC), instituted at UMKC's School of Education in July 1995, is composed of a support team of professional developers who work with schools and school districts in Clay, Jackson and Platte counties. Funded by the Department of Elementary and Secondary Education, the purpose of the center is to increase the performance of K-12 students in the region by building the capacity of Missouri's teaching and administrtive staff through professional development. For more information call (816) 235-**5627**.

The following state-funded, school improvement programs are located within the KCRPDC:

Accelerated Schools

Accelerated Schools is a school improvement initiative based on Henry Levin's work. UMKC hosted the state's first Accelerated Schools Center, in which the staff works with approximately 80 schools. Accelerated Schools teaches a philosophy and a process for bringing about school improvement. For more information call (816) 235-**2442**.

Missouri Assessment Program (MAP)

The goal of the Missouri Assessment Program (MAP) is to raise achievement for all students. Regional facilitators train senior leaders nominated by district administrators. The senior leaders, in turn, share their work and experiences with MAP teams in their own buildings or districts. The professional development provides teachers a foundation for performance-based assessment. For more information call (816) 235-**2497**.

STARR Teachers

Select Teachers As Regional Resources (STARR) teachers are outstanding classroom teachers who are granted sabbaticals from their school districts to work with educators at the district, school and classroom levels. STARR teachers deliver and facilitate professional development to promote active, hands-on learning by students in all subject areas. Call (816) 235-**2483** for more information.

Economic Education Center

The Economic Education Center is one of a network of centers across the state and nation. The center is affiliated with the Missouri Council for Economic Education (MCEE), which in turn is a part of the National Council for Economic Education. The goal of the Center for Economic Education is to strengthen and support the teaching of economics in K-12 area schools. In keeping with this goal, the center provides graduate coursework, in-service programs and workshops to area teachers. The Economics Education Resource Collection, housed in the Instructional Materials Center in the School of Education, provides resource materials to area teachers.

Center for the Study of Metropolitan Problems in Education

The center was established in 1964 to conduct research on important issues in urban education. Topics emphasized in research have included school desegregation, compensatory education, reform of urban schools and demographic trends affecting metropolitan education. The center maintains a small collection of documents and research reports regarding urban education and it conducts or helps to conduct evaluation studies bearing on local projects involving urban education. Additional information may be obtained by calling (816) 235-**2448**.

Missouri Council of Teachers of Mathematics

The Missouri Council of Teachers of Mathematics is a 501(c)3 not-for-profit organization dedicated to supporting and improving mathematics teaching and learning at all levels. With a membership of more than 2,000, the organization has a long history of quality activities and programs. Affiliated with the National Council of Teachers of Mathematics, MCTM maintains strong contacts with the national agenda and with its own affiliated groups within the state. For more information visit MCTM at http://www.MoCTM.org.

Berkley Child and Family Development Center

The Berkley Child and Family Development Center provides quality care and education for young children and serves as a research training site for UMKC students. The center is administered through the School of Education and is part of the academic unit. It is accredited through the National Association for the Education of Young Children and licensed by the state of Missouri. Enrollment is open to the University population and the community for children ages 3 months to 6 years old. During the summer, programming is also provided for children ages 6 to 11 years old. Tuition assistance scholarships are available and are awarded based upon financial need. The center is accessible to children with special needs. To inquire about enrollment or a tour of the facility call (816) 235-**2600**.

Missouri Center for Safe Schools

The purpose of this center is to provide a clearinghouse where urban, suburban and rural schools across Missouri can get information and ongoing assistance to help them develop promising and effective ways of dealing with the kinds of serious problems school violence represents. For additional information call (816) 235-**5657**.

Graduate Studies, School of

SCHOOL OF GRADUATE STUDIES

Administrative Center, Room 300F
5115 Oak Street
(816) 235-**1301**
graduate@umkc.edu
http://sgs.umkc.edu

Mailing Address
University of Missouri-Kansas City
School of Graduate Studies
AC 300F

5100 Rockhill Road
Kansas City, MO 64110-2499

Dean:
Ronald A. MacQuarrie

General Information

The School of Graduate Studies is responsible for monitoring compliance to the campuswide minimum graduate academic regulations, which are explained in detail in the General Graduate Academic Regulations and Information section of this catalog. Working with and through the Graduate Council and Graduate Officers Committee, the School also provides leadership and coordination of all graduate programs, offers programs to prepare graduate students for faculty positions in a variety of educational settings, and administers a number of competitive graduate fellowships.

The School also serves as the academic and administrative home for students admitted to the Interdisciplinary Ph.D. program. All other graduate students are admitted to the school or college in which their degree programs are housed.

- Institute for Human Development
  - Interdisciplinary Leadership Certificate in Disability Studies
- Interdisciplinary Ph.D. Program
  - Program Administration
  - Program Description
  - Application Procedure and Minimum Criteria for Admission
  - Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements
  - Change of Disciplines by Admitted Students
  - Interim Adviser
  - Qualifying Requirements for Full Admission
  - Research Adviser and Supervisory Committee
  - Interdisciplinary Ph.D. Plan of Study
  - Interdisciplinary Ph.D. Residency Requirement
  - Transfer Credit
  - Comprehensive Examination
  - Program Time Constraints
  - Dissertation Research Proposal Development and Approval
  - Dissertation and Completion of Degree
  - Interdisciplinary Ph.D. Student Appeal Process
  - Interdisciplinary Doctoral Student Council
  - Doctoral Faculty Participation in the Interdisciplinary Ph.D. Program
    - Interdisciplinary Ph.D. Discipline-Specific Requirements
    - Student Learning Outcomes
    - Art History
    - Cell Biology and Biophysics
    - Chemistry
    - Computer Science
    - Curriculum and Instruction
    - Economics
    - Electrical and Computer Engineering
    - Engineering
    - English
    - Entrepreneurship
    - Geosciences
    - History
    - Mathematics
    - Molecular Biology and Biochemistry
    - Music Education
    - Oral Biology
    - Pharmaceutical Sciences
    - Pharmacology
    - Physics
    - Political Science
    - Psychology
    - Public Affairs and Administration
    - Religious Studies
    - Social Sciences Consortium: Economics, Political Science and Sociology
    - Sociology
      # # Telecommunication and Computer Networking
    - Urban Leadership and Policy Studies in Education
- School of Graduate Studies Courses

Institute for Human Development

The Institute for Human Development, located within the University of Missouri-Kansas City, is an applied research and training center for human services. It exemplifies the University's goals of academic excellence and a campus without borders by helping people, agencies and the community reach their fullest potential.

Interdisciplinary Leadership Certificate in Disability Studies

The Interdisciplinary Leadership in Disability Studies certificate program is offered through the School of Graduate Studies and the Institute for Human Development. Disability Studies is a relatively new, interdisciplinary field that studies disability from a social and cultural context. The certificate can be completed either in conjunction with a graduate degree program or as a free-standing credential. Students in such diverse fields as sociology, psychology, nursing, pharmacy, law, social work, public administration, urban planning and design and education are well suited for this certificate. Students who receive the certificate will be prepared to influence public policy, professional practice, societal arrangements and cultural values that shape the meaning of disability.

Interdisciplinary Ph.D. Program

Mission, Philosophy and History

The world of the future will require scholars with a global approach to problem solving. It will no longer be enough to know one area, one discipline, one field. Inquiry and discovery are crossing disciplines. For example, the insights of the science of chaos are the products of mathematics, computer science, meteorology, astronomy and biology. Study of aging draws on sociology, psychology, pharmacy, the life sciences and education. For this reason, in 1990, UMKC developed and introduced an interdisciplinary doctoral degree program that spans traditional boundaries among disciplines.

The goal for Interdisciplinary Ph.D. studies at UMKC is to help students develop knowledge and skills for independent research on the fundamental questions of the present and the future. The program is designed to provide self-directed students with academic training at the highest level, while allowing their participation as colleagues in research of

fundamental importance. UMKC is dedicated, within the framework of its interdisciplinary program leading to the Ph.D., to provide education of the highest quality.

Scholars in the program fully participate in their own learning, guided by our philosophy that facts must be tempered by values and that true excellence in scholarship demands a far-reaching context of knowledge. The program has grown rapidly. In the fall 2006 term, more than 360 students were enrolled in the Interdisciplinary Ph.D. program. Nearly 350 students have graduated during the program's existence.

The following five core values underscore UMKC's Interdisciplinary Ph.D. program:
Education First: Learning is enhanced by a search for knowledge across discipline boundaries.
Therefore, the program:

- Is student-centered.
- Enables students to acquire the skills of interdisciplinary scholarship and research.
- Broadens students' exposure to multiple academic fields.

Discovery and Innovation: Interdisciplinary research draws on discipline-based knowledge, generating integrated solutions to problems that cross discipline boundaries.
Therefore, the program:

- Is problem-oriented.
- Integrates the attributes of a broad-based interdisciplinary approach with the grounding of a traditional academic focus.
- Provides a solid grounding in theories, concepts and methodologies of two or more disciplines.

Integrity and Accountability: Self-reflection and individual responsibility.
Therefore, the program:

- Incorporates a model of continuous quality improvement.

Diversity, Inclusiveness and Respect: Learning thrives in an environment open to a diversity of ideas, cultural backgrounds, discipline perspectives and approaches to problems.
Therefore, the program:

- Instills an appreciation of different disciplines.
- Integrates the disciplinary perspectives to give students the methodological and theoretical tools to thrive in a wide range of scholarly and professional environments.

Energized, Collaborative Communities: Society derives great benefit from collaborative efforts that transcend discipline boundaries to solve problems. *Therefore, the program:*

- Prepares individuals to be multi-functional; to combine disparate skills to solve problems.

PROGRAM ADMINISTRATION

Quality control of the Interdisciplinary Ph.D. program rests with those faculty members certified by the University of Missouri to chair and serve on doctoral supervisory committees. These doctoral faculty members are responsible for the design and implementation of a student's doctoral plan of study and for the assessment of the qualifications of a student they recommend to the curators for the Ph.D. degree. To help students formulate an appropriate plan of study, the doctoral faculty are divided into five broad groups corresponding to research interests and expertise. The groupings do not preclude an interdisciplinary plan of study and research involving more than one of these five groups, but are intended only to provide a structure that will assist students and doctoral faculty in developing a plan of study for each Interdisciplinary Ph.D. student. A 15-member executive committee of the doctoral faculty, chaired by the dean of the School of Graduate Studies, formulates the policies that govern Interdisciplinary Ph.D. studies. Ten members of the committee are elected by the doctoral faculty. The chancellor, in view of the election results and in consultation with the dean of the School of Graduate Studies, appoints five members. There are three members from each of the five broad research areas. This process ensures representation from across the primary areas of responsibility assigned to the campus by the curators. The Interdisciplinary Ph.D. Executive Committee is also charged with formulating, monitoring and reviewing goals of the Interdisciplinary Ph.D. program and recommending changes in goals, procedures and policies to the faculty. Any proposed major change must be ratified by the doctoral faculty of the campus.

PROGRAM DESCRIPTION

Applicants must meet both the general and the discipline-specific criteria for admission and be recommended for admission by the doctoral faculty review groups in at least two disciplines. Upon approval by the graduate dean, students are admitted to the School of Graduate Studies. The School of Graduate Studies monitors student progress in the program, enforces program regulations and facilitates communication among the disciplines. A discipline coordinator, usually a doctoral faculty member, coordinates admission reviews and tracking of students within each discipline.

Doctoral students in this program take coursework and conduct their research in at least two disciplines. The content of their program of study is not predetermined, but formulated by them, in consultation with UMKC doctoral faculty, to meet their individual needs and research interests and satisfy discipline-specific requirements. The program structure and these requirements follow from the five core values of UMKC:

1. Education first
2. Discovery and innovation
3. Integrity and accountability
4. Diversity, inclusiveness and respect
5. Energized, collaborative communities

These core values guide the expectations for our students, who upon graduation will be able to:

1. Demonstrate appropriate depth and breadth of knowledge in their disciplines.
2. Use skills of interdisciplinary scholarship and research to integrate multiple discipline perspectives; and effectively communicate the results of their research to diverse audiences.
3. Use self-reflection for personal and professional improvement.
4. Understand and value diverse approaches to problems.
5. Work effectively in a collaborative environment.

Disciplines participating for the fall 2007 admissions cycle:

Administrative and Information Sciences

Entrepreneurship and Innovation (Henry W. Bloch School of Business and Public Administration)
Public Affairs and Administration (Henry W. Bloch School of Business and Public Administration)
Urban Leadership and Policy Studies in Education (School of Education)

Biological and Chemical Sciences

Cell Biology and Biophysics (School of Biological Sciences)
Molecular Biology and Biochemistry (School of Biological Sciences)
Chemistry (College of Arts and Sciences)
Oral Biology (School of Dentistry)
Pharmaceutical Sciences (School of Pharmacy)
Pharmacology (School of Pharmacy)

Humanities and Arts

Art History (College of Arts and Sciences)
English (College of Arts and Sciences)
Music Education (Conservatory of Music and Dance)
Religious Studies (College of Arts and Sciences)

Physical, Mathematical, Engineering and Computer Sciences

Engineering (School of Computing and Engineering (SCE))
Geosciences (College of Arts and Sciences)
Mathematics (College of Arts and Sciences)
Physics (College of Arts and Sciences)
Telecommunication and Computer Networking (SCE)
Computer Science (SCE)
Electrical and Computer Engineering (SCE)

Social and Behavioral Sciences

Economics (College of Arts and Sciences)
Curriculum and Instruction (School of Education)
History (College of Arts and Sciences)
Psychology (College of Arts and Sciences)
Social Sciences Consortium: Economics, Political Science and Sociology
(only available as a co-discipline option)

The above list of participating disciplines constitutes a dynamic list that can change annually as members are added to or dropped from the doctoral faculty, or as the resources in various academic units change. Applicants should contact the School of Graduate Studies Office for information about modifications to the above list that might have occurred since this catalog was prepared.

Admission to UMKC's School of Graduate Studies' Interdisciplinary Ph.D. program is highly competitive. Enrollment in the program is limited, and admission is granted only to students who have a mature commitment to advanced study and scholarship. Admission is also subject to availability of adequate faculty and other resources within an applicant's chosen disciplines.

After being admitted to the Interdisciplinary Ph.D. program, and no later than the end of the semester in which the student completes his or her comprehensive examinations, each student must satisfy the interdisciplinary doctoral residency requirement by completing at least 21 credits, exclusive of dissertation research (5696-5699), in no more than 18 months. Students may be admitted either provisionally or fully to the program; however, within the first 12 months of being fully admitted, each student must develop a Plan of Study proposal in consultation with the doctoral faculty members who have agreed to serve on the student's supervisory committee. Although no fixed set of courses is required, students are expected to prepare a rigorous plan of study that includes at least 30 didactic course hours beyond the baccalaureate degree, exclusive of thesis and dissertation research credits. More credit hours may be required by either the student's supervisory committee, the student's disciplines, the Interdisciplinary Ph.D. Executive Committee, or the dean of the School of Graduate Studies. The number of credits included on the plan of study shall be predicated upon the extent of the student's previous academic preparation, the discipline-specific requirements of the student's disciplines, and the nature of the student's field of study.

Students must take and pass a comprehensive examination containing components of each discipline to which they have been admitted to determine if they are ready to advance to candidacy and the final phases of their Ph.D. program. Typically the comprehensive examination will be conducted as the student nears completion of the didactic coursework listed on his or her plan of study. The final phases of the program shall comprise:

- Completion of significant research.
- A written dissertation acceptable to the doctoral faculty.
- Successful oral defense of the research work and dissertation.

APPLICATION PROCEDURE AND MINIMUM CRITERIA FOR ADMISSION

When preparing an application for admission, applicants must choose two or more disciplines of primary interest. The applicant also must designate which one of the disciplines is to become the applicant's coordinating unit for initial advising, record-keeping and receiving/sending mail in the event that admission is granted. A student's research adviser must be affiliated with the student's coordinating unit discipline.

Application for admission to Interdisciplinary Ph.D. study is made to the dean of the School of Graduate Studies through the UMKC Admissions Office or, in the case of international applicants, through the UMKC International Student Affairs Office (ISAO). Applicants may obtain a special application packet by contacting the UMKC School of Graduate Studies office, located in Room 300F Administrative Center; 5115 Oak St. E-mail requests may be sent to graduate@umkc.edu; the phone number is (816) 235-**1161**. Application materials and an online application system are also available from the Web site: http://www.umkc.edu/iphd.

Mailing Address

University of Missouri-Kansas City
School of Graduate Studies
AC 300F
5100 Rockhill Road
Kansas City, MO 64110-2499

The general criteria for admission for Interdisciplinary Ph.D. program study are as follows:

- Graduate Record Examination (GRE) scores will be evaluated by the disciplines *[If an applicant's GRE scores are more than seven years old, and other predictors of ability to do doctoral-level work in the applicant's file are marginal, the applicant may be asked to retake the GRE general test before an admission decision is made]*.
- A grade-point average of at least 2.75 (on a 4.0 scale) covering all college work taken prior to the bachelor's degree, or a grade-point average of at least 3.0 covering all post-baccalaureate work completed to date.
- Recommendation for provisional or full admission by the doctoral faculty review group in **at least two** participating disciplines.

Graduates of schools outside the United States may be considered for admission to this doctoral program at UMKC, subject to the following criteria.

1. They must have completed a course of study at least the equivalent of a U.S. baccalaureate degree.
2. They must have above-average grades in previous college study.
3. They are required to establish proof of adequate English proficiency as part of the UMKC admissions process. Applicants from countries in which English might be one of the official languages, but is not necessarily the first language of the majority of the population, must attain a minimum composite score of either 550(PBT), 213(CBT) or 80(iBT) on the Test of English as a Foreign Language (TOEFL), or a score of 6.0 on the IELTS to be considered for admission.* The results of the examination must be received in the UMKC International Student Affairs Office before the application deadline. Exceptions to this policy:
    - Non-native speakers who hold degrees or diplomas from post-secondary institutions in English-speaking countries (such as the United States, Antigua, Australia, Bahamas, Barbuda, Belize, Canada, Dominica, Fiji, Gambia, Ghana, Guyana, Ireland, Jamaica, Liberia, Mauritius, New Zealand, Sierra Leone, Solomon Islands, South Africa, St. Christopher (St. Kitts), St. Lucia, St. Vincent, Tobago, Trinidad, Uganda, United Kingdom [England, Scotland, Wales and Northern Ireland], Zambia and Zimbabwe), provided they have spent a minimum of two years in successful full-time study there and English was the medium of instruction.
    - International transfer students from other institutions in the United States or Canada who have spent a minimum of two years in successful full-time study.
4. In addition to 1 through 3 above, international graduate students must satisfy any program-specific admission criteria. For instance, the Graduate Management Admission Test (GMAT) is required for applicants for graduate study toward the M.B.A. degree. Several programs require TOEFL scores that are well above the minimum stated previously. The Graduate Record Examination (GRE), including the appropriate Advanced Test, is either required or strongly recommended for all other international graduate applicants. International students planning to apply are directed to consult the appropriate degree program listing for additional criteria and medical requirements.

*In the United States, the Educational Testing Service, Princeton, NJ 08541, U.S.A., can be contacted for application forms to take this test.
Contact www.ilts.org for information on the International English Testing System. Detailed information can be obtained from U.S. embassies, consulates general, bi-national centers and other offices throughout the world.

Participating disciplines may establish whatever additional criteria or higher standards they consider to be appropriate and such discipline-specific criteria will take precedence over the general criteria. Applicants should note that several discipline areas have set more rigorous admission requirements, and a number of discipline areas have established qualifying requirements for students who intend to include that discipline in their doctoral programs. These discipline-specific requirements range from specific prerequisite coursework, to successful completion of a qualifying examination, to having the equivalent of a master's degree in the area, to having higher scores on specific segments of the GRE and are listed in greater detail later in this section.

Students may apply for admission with or without meeting the general criteria of the School of Graduate Studies and any additional criteria established by the discipline areas. Meeting these criteria does not automatically make any student eligible for admission. In exceptional circumstances, students who do not meet the general criteria of the School of Graduate Studies and the disciplines may be admitted.

The School of Graduate Studies' minimum requirements for admission to the Interdisciplinary Ph.D. program are determined by the doctoral faculty in the academic units in

which the student will be doing work, and by the UMKC doctoral faculty through representation on the Interdisciplinary Ph.D. Executive Committee. Admission to the program is subject to availability of adequate faculty and other resources within an applicant's chosen disciplines and the approvals of the dean of the School of Graduate Studies and the Interdisciplinary Ph.D. Executive Committee.

Application Procedure

The **preferred** deadlines for application:

Summer session: Feb. 1
Fall semester: Feb. 1
Spring semester: Sept. 1

Although new students may be accepted in all terms, because of course sequencing, it is recommended that students enter the program in the fall semester, and applicants are advised that some disciplines will only consider applications for the fall term.
Applicants are responsible for:

1. Submitting a completed **Application for Admission or Readmission to Interdisciplinary Ph.D. Studies** form to the UMKC Admissions Office, or in the case of international applicants, to the UMKC International Student Affairs Office (ISAO). All applications must be accompanied by the appropriate non-refundable application fee ($35 for domestic applicants or $50 for international applicants).
2. Submitting a *one-page narrative statement* outlining professional background and educational plans with the completed application form.
3. Having the following supplementary documentation sent to the UMKC Admissions Office:
    - *Official test scores (GRE, TOEFL, etc.).* The applicant must request the testing agency to send official GRE test scores to the School of Graduate Studies. The Educational Testing Service does not report GRE scores more than 20 years old or scores more than five years old but earned since Sept. 30, 1985.
    - *Official transcripts from all colleges attended.* All applicants must submit an official transcript from the school where their bachelor's degrees were obtained. This transcript must show all courses, grades and credits attempted or completed at the undergraduate level. Unless the transcript of the degree-granting institution shows the complete record of undergraduate work taken at all other schools, an official transcript from each of the other institutions must be supplied. In addition, applicants must submit an official transcript from each school where other coursework has been taken or degrees have been obtained after the bachelor's degree.
    - *Three Recommendations for Interdisciplinary Ph.D. Study forms.*
    - *Any supplemental material requested by the discipline(s).* Note that several disciplines require professional writing samples, tentative outlines of plans of study, resumes or other supplemental materials to complete the application packet. Applicants should consult the discipline-specific information to determine whether supplemental materials are required by the disciplines they select.

International applicants must submit the following additional forms:

1. Summary of Education Experiences by Years form.
2. Official Statement of Finances form.
3. If transferring from another U.S. institution, a Supplemental Information form.

All credentials submitted in support of the application for admission to the Interdisciplinary Ph.D. program become UMKC property. They will not be returned to the applicants and UMKC cannot copy them for release to a third party.

Once the UMKC Admissions Office or the ISAO has received the application, application fee (if applicable), and transcripts of previous work, the application file is transmitted to the School of Graduate Studies. The School of Graduate Studies notifies each applicant by mail when the application packet has been forwarded to them. If required test scores, recommendation forms or supplementary documentation appropriate to the applicant's discipline selections are missing at that time, the applicant will be advised of the date by which all materials must be received in order to have the application reviewed by the faculty review groups in the specified disciplines for admission in the terms requested. The School of Graduate Studies transmits completed application files to the doctoral faculty review groups in each discipline the applicant has indicated on the application form.

Faculty review groups usually will not take action on an application unless all supporting documentation is on file. Applicants with files that are incomplete at the time the discipline(s) review applications will be so notified and asked whether they wish to have their applications updated for consideration for admission in a subsequent term.

An applicant can expect the review and recommendation process to take approximately 30 days from the time all supporting documentation has been received. The faculty review groups in some disciplines review all applications as a group, while in other disciplines, applications are reviewed and acted upon on a revolving basis, as received. The review and recommendation process within the disciplines varies in length depending upon the disciplines' review policies.

For questions about the contents of their admission files, or to determine whether their applications have been transmitted to the School of Graduate Studies for review, applicants may call the Admissions Office (816) 235-**1111**. International applicants may check on the status of their applications by contacting the ISAO at www.umkc.edu/isao. Once the application has been transmitted to the School of Graduate Studies, applicants may call (816) 235-**1161** for information on the status of their applications.

Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements

The following requirements pertain specifically to students pursuing Interdisciplinary Ph.D. programs. However, Interdisciplinary Ph.D. students are subject to, and also should refer to, those regulations common to all graduate students and the dissertation requirements common to all doctoral students included in the General Graduate Academic Regulations and Information section of this catalog. Students should also consult the specific requirements for the disciplines to which they have been admitted. Where discipline requirements are more stringent than the general requirements, the discipline requirements take precedence.

Change of Disciplines by Admitted Students

Once a student is admitted to Interdisciplinary Ph.D. study, any change of disciplines requires a full review process by the disciplines, similar to the initial admission review. Forms to initiate this review may be obtained from the School of Graduate Studies or downloaded from their Web site: http://www.umkc.edu/iphd.

Interim Adviser

Once an Interdisciplinary Ph.D. student is admitted to the School of Graduate Studies, the dean, upon recommendation from the student's disciplines, identifies a doctoral-faculty member from each discipline to serve as the student's interim adviser in that discipline. Students who have had minimal prior graduate study will be encouraged to explore research opportunities before choosing fields of endeavor.

As the student progresses and develops focused research interests, the interim advisers are expected to assist in identifying potential research advisers among doctoral-faculty members in appropriate research areas with whom the student can discuss research plans. The interim advisers also provide academic guidance until the student selects a research adviser, has satisfied all qualifying requirements and is classified as fully admitted. The interim adviser in the student's coordinating-unit discipline reports on the student's progress to the dean of the School of Graduate Studies. If another faculty member has not been identified as the research adviser by the time the student is fully admitted and ready to formulate the plan of study, the interim adviser in the coordinating unit-discipline will automatically become the student's research adviser.

Qualifying Requirements for Full Admission

Admission to the Interdisciplinary Ph.D. program is granted on a provisional or fully admitted basis as determined by the doctoral faculty review group of the student's chosen discipline(s). Upon their acceptance as provisional Ph.D. students, applicants are notified of the specific qualifying requirements they must satisfy before they can be classified as fully admitted Ph.D. students. Provisional admission does not guarantee advancement to full admission, and full admission does not guarantee advancement to Ph.D. candidacy.

At the end of each academic year, the interim adviser reports the provisional Ph.D. student's progress toward satisfying the qualifying requirements to the dean of the School

of Graduate Studies. When all qualifying requirements have been completed, the interim adviser requests that the student's classification be changed to fully admitted.

Research Adviser and Supervisory Committee

The chair and a majority of the members of a student's supervisory committee must be from disciplines certified as eligible to participate in the Ph.D. program. The student's research adviser must be a regular doctoral faculty member from the student's coordinating unit discipline.

The adviser assists the student in identifying other members of the doctoral faculty to form a supervisory committee appropriate to the student's research goals. A request for appointment of supervisory committee is included as part of the written proposal for the student's Ph.D. plan of study.

The supervisory committee shall consist of at least five members of the doctoral faculty, with a maximum of three from any one discipline and at least one from each chosen discipline. An outside reader may also be included on the supervisory committee as a non-voting member.

With one exception, that no more than one member of an Interdisciplinary Ph.D. student's supervisory committee may be an adjunct doctoral faculty member, and the adjunct member may not be counted toward the mandated representation from each discipline on the committee. Students with religious studies as their coordinating unit discipline may include two adjunct doctoral faculty members from religious studies on their supervisory committees. An adjunct doctoral faculty member can serve as co-chair but not as sole chair of an Interdisciplinary Ph.D. supervisory committee.

Annual Evaluation of Progress

During the spring semester, Interdisciplinary Ph.D. students, using forms provided by the School of Graduate Studies, must submit a summary of their accomplishments over the previous year and a projection of the progress they intend to make during the next academic year. Forms are submitted to their interim advisers or, if their supervisory committees have been formed, to the chairs of their supervisory committee. The faculty adviser or supervisory committee chair will review the student's report and meet with the student to discuss the student's progress and plans for the coming year. They will provide the student and the School of Graduate Studies with a copy of the completed evaluation form. This process should be completed by no later than the end of the spring semester each year. Failure to meet this requirement may result in a hold being placed on the student's enrollment.

Interdisciplinary Ph.D. Plan of Study

After being granted full-admission status, a student chooses a research adviser and forms a supervisory committee. In consultation with the research adviser and other members of the proposed supervisory committee, the student prepares a proposed Ph.D. plan of study, obtains all required signatures and submits the proposed plan to the School of Graduate Studies for review and final approval by the Interdisciplinary Ph.D. Executive Committee. This submission will typically be accomplished during the first semester that the student is classified as fully admitted, and *must occur within 12 months* from the time that status has been achieved.

In addition to any coursework completed prior to admission that is being credited toward discipline-specific requirements, the written Interdisciplinary Ph.D. plan of study includes courses and other activities at UMKC that should normally be completed approximately two years from the time the Ph.D. student is fully admitted, a statement about overall plans for study and research, and a list of the proposed members of the supervisory committee.

The Interdisciplinary Ph.D. Plan of Study Guidelines:

- The plan of study must include coursework from all the student's disciplines and must satisfy all of the applicable discipline-specific core requirements.
- The plan of study must include at least 30 didactic hours beyond the baccalaureate degree, exclusive of thesis or dissertation research hours, in courses taken at UMKC or courses taken at another institution and approved for transfer by the student's supervisory committee.
- Didactic coursework on the plan of study will include a minimum of nine credit hours in a co-discipline area.
- No more than 60 percent of the total coursework taken at UMKC and listed on the plan of study, exclusive of thesis or dissertation research hours, will be in any one discipline.
- All plans of study must include a minimum of 12 hours of dissertation research (5696-5699) credit.
- At least two-thirds of the total courses included on the plan of study must be numbered 5500 or above if taken at UMKC, or, if taken from an institution with a course-numbering system that differs from UMKC's, they must be courses intended primarily for graduate students.
- UMKC courses at the 100 and 200 levels, and courses with equivalent lower-division numbers taken at another institution, are not available for graduate credit and may not be applied toward the hours required for the degree nor included in the discipline percentages.
- At least 75 percent of the coursework on the plan, exclusive of dissertation credits, must be in disciplines certified as eligible to participate in the Interdisciplinary Ph.D. program.
- Students' needs will be examined on a case-by-case basis by their supervisory committees, and appropriate language or related research skill requirements will be incorporated into each student's plan of study.
- The plan of study will include a brief description of the course focus and the name of the supervising professor for any independent study courses listed.
- The plan of study will specify which courses are being used to satisfy the residency requirement.
- The plan of study will outline the comprehensive examination expectations.
- The plan of study will include a preliminary research proposal for the dissertation research, including key bibliographic references.

If modifications to discipline-specific requirements are made after the student is admitted, the student has the option of proceeding under either the requirements in place at the time he or she entered the Ph.D. program or the current requirements.

Plan of Study Approval Process

Once the supervisory committee members and student have agreed on and signed the plan of study, appropriate academic officers corresponding to the student's choice of disciplines [dean(s) or program director(s), department chair(s), division head(s), etc.], must then review and certify by signature that the courses and all other resources are currently available at UMKC and in the respective units for the student to initiate the plan of study. The student then submits the certified plan of study to the dean of the School of Graduate Studies for review and approval by the appropriate subcommittees of the Interdisciplinary Ph.D. Executive Committee.

The subcommittees of the Interdisciplinary Ph.D. Executive Committee will accept Ph.D. plan of study proposals for review only if:

- The Ph.D. coursework falls within the guidelines outlined above.
- The student will enroll at UMKC for dissertation credit under the supervision of a UMKC member of the UM doctoral faculty.
- The plan includes written assurance from the appropriate academic officers that:
    1. adequate faculty, laboratories, library support and all other necessary resources are presently available at UMKC to support the proposed Ph.D. plan of study, and
    2. the courses included in the plan are either presently available at UMKC or can be taken by the student as a visiting student in a time period less than that required to satisfy the residency requirements on the other campus.

The appropriate Interdisciplinary Ph.D. executive committee subcommittees will review the certified plan of study within 60 calendar days and will either recommend to the dean of the School of Graduate Studies approval of the plan as presented or will return the plan to the student with recommendations for modification. Once the proposed plan of study and supervisory committee are approved by the Interdisciplinary Ph.D. executive committee, the dean of the School of Graduate Studies will confirm the appointment of those doctoral-faculty members who will serve as the student's supervisory committee and file the plan with the registrar. Any further modifications of the plan of study must be made in consultation with the student's supervisory committee and major modifications must be approved by the Interdisciplinary Ph.D. Executive Committee.

Interdisciplinary Ph.D. Residency Requirement

Interdisciplinary Ph.D. students must satisfy the doctoral residency requirement by satisfactory completion of at least 21 credits, exclusive of dissertation research, in no more than 18 months. When satisfying the residency requirement, all Interdisciplinary Ph.D. students are subject to the following restrictions:

1. The doctoral residency requirement must be satisfied no later than the end of the semester in which the student completes his or her comprehensive examinations.
2. Students must achieve a cumulative graduate grade-point average of at least 3.0 in all courses counted toward satisfying the residency requirement.
3. Dissertation research credits (5696-5699) may not be counted toward satisfying the doctoral residency requirement.

TRANSFER CREDIT

Interdisciplinary Ph.D. plans of study are tailored to the needs of individual students based on their prior academic work as evidenced by transcripts and other credentials. An approved plan of study may recognize class work from other institutions as determined by the student's supervising committee, either as qualifying courses or as relevant to a program of study.

COMPREHENSIVE EXAMINATION

To advance to degree candidacy, Interdisciplinary Ph.D. students are required to pass a comprehensive examination that integrates components of each discipline to which they have been admitted. Either the written or oral or both component(s) of the comprehensive examination must include an evaluation of the student's ability to integrate content, theory and/or methods from each specified discipline. The doctoral comprehensive examinations must be completed at least seven months before the date of graduation.

The following requirements must have been met before students can take the comprehensive examination(s):

1. Successful completion of all qualifying requirements and full admission to the School of Graduate studies.
2. Appointment of a research adviser and supervisory committee.
3. Filing and approval of the Ph.D. plan of study and completion of essentially all coursework or other study required for the degree.

The student must be enrolled when taking the comprehensive examination. Comprehensive examinations are not administered when UMKC is not officially in session. The comprehensive examination may be written, oral or both. A student, through his or her adviser, applies to the dean of the School of Graduate Studies for an examining committee. This committee consists of members of the student's supervisory committee and others approved by the dean of the School of Graduate Studies. The examination is arranged and conducted by the examining committee. Upon completion of the examination, the student's research adviser sends a report of the results, carrying the signatures of all members of the examining committee, to the dean of the School of Graduate Studies, who then informs the student and the registrar. A student is considered to have passed the comprehensive examination if no more than 20 percent of the committee members vote for failure of the student. If failure is reported, the examining committee will either recommend termination as a Ph.D. student or suggest additional work or other remedial measures. Furthermore, a student who has failed may not take a second examination for at least 12 weeks. Failure of the second comprehensive examination shall automatically preclude candidacy at this institution.

PROGRAM TIME CONSTRAINTS

The doctoral student must take and pass the doctoral comprehensive examination and advance to candidacy within five years from the beginning of doctoral coursework (within four years if entering with a master's degree in the same or closely related field). After the establishment of degree candidacy, a maximum of five years will be allowed for completion of degree requirements. Failure to complete the work within the periods specified will necessitate re-evaluation of the entire program and may result in a notice of termination. In compelling circumstances and on the written recommendation of a majority of the student's supervisory committee members, the dean of the School of Graduate Studies may grant a one-year extension. Some academic units may impose more stringent time requirements.

DISSERTATION RESEARCH PROPOSAL DEVELOPMENT AND APPROVAL

The student's supervisory committee must approve the research activities associated with a dissertation. These activities must be performed under the direct and continuing supervision of the supervisory committee chair. If the proposed research involves the use of human subjects, animals or radioactive materials, the student and the research adviser must obtain prior written approval of the proposed research by the appropriate Institutional Review Board, the Animal Care and Use Committee or the Radiation Safety Committee.

For the approval process, the Ph.D. candidate must submit a brief dissertation research proposal. The dissertation proposal shall include the following:

- An abstract.
- A statement regarding the general purpose of the research.
- Background information, including a review of the relevant literature, the rationale for the research and a concise statement of the hypotheses to be investigated and/or the research questions to be answered.
- Methods.
- Appropriate protocol or application if human subjects, animals or radioactive materials are to be used in the research.

This proposal must be approved in writing by all members of the student's supervisory committee and filed with the School of Graduate Studies. It is in the best interest of the Ph.D. student to complete the approval process of the dissertation research proposal before significant progress is made on the completion of the dissertation. Any important changes in the research outlined in the proposal must be approved by the supervisory committee.

DISSERTATION AND COMPLETION OF DEGREE

Doctoral Dissertation Requirement

All UMKC Ph.D. degrees require a dissertation as the final component of the program. The doctoral faculty view the dissertation as one of the most important aspects of the student's experience because:

- It is a work of original research or scholarship that makes a contribution to existing knowledge.
- It is an educational experience that demonstrates the candidate's mastery of research methods and tools of the specialized fields.
- It demonstrates the candidate's ability to address a major intellectual problem.

For regulations pertaining to formatting the dissertation and the process for approval, the reader is directed to Thesis and Dissertation Preparation and Approval Process, included under Graduate Academic Regulations in this catalog section.

Final Dissertation Examination

Final examinations in defense of the dissertation are open to all members of the doctoral faculty, who may attend as interested observers. The format and procedures of the defense are determined by the supervisory committee and its chair. The date, time and location must be announced and published at least two weeks before each final examination takes place. This examination may be conducted only after the dissertation has been approved by the dean of the School of Graduate Studies, and may not be administered when UMKC is not officially in session.

The defense of the dissertation is approved when a majority of the supervisory committee recommend approval and sign the Report of the Result of Final Doctoral Examination form. Within 48 hours of the defense, the supervisory committee chair will report the results of the final dissertation examination in writing to the candidate.

Deposit of Approved Dissertation with Libraries

For regulations pertaining to deposit of the approved dissertation with the libraries, please refer to Thesis and Dissertation Preparation and Approval Process, included under Graduate Academic Regulations in this catalog section.

INTERDISCIPLINARY PH.D. STUDENT APPEAL PROCESS

Students should process any petitions for waiver of policy or other academic appeals to their interim advisers or research advisers. The advisers should attach their recommendation and forward the request to the doctoral faculty review groups within the disciplines.

If the appeal does not require a policy decision, action on the appeal may be handled at the discipline level. If a policy decision is required or if, after action by the discipline, the student wishes a higher level of review of the case, the appeal or petition, complete with documentation of all reviews up to that point, may be forwarded to the dean of the School of Graduate Studies for action or referral to the appropriate subcommittees of the Interdisciplinary Ph.D. Executive Committee.

INTERDISCIPLINARY DOCTORAL STUDENT COUNCIL

The UMKC Interdisciplinary Doctoral Student Council (originally called the Doctoral Student Association) was formed in 1991 to provide an opportunity for doctoral students to interact with each other and to support the students in their academic and research endeavors. The council sponsors a variety of social and academic programs throughout the year. Membership in the UMKC Interdisciplinary Doctoral Student Council is open to all dualy enrolled Interdisciplinary Ph.D. students. Doctoral students in other UMKC programs are eligible to be associate members and are welcome to participate in all Interdisciplinary Doctoral Student Council activities but are not eligible to vote or serve on the executive committee. The council is governed by an executive committee consisting of three representatives with coordinating disciplines in each of the following five areas: physical, mathematical, computer and engineering sciences; biological and chemical sciences; social and behavioral sciences; humanities and the arts; and administrative and information sciences. Any eligible doctoral student who wishes to have his or her name placed on the ballot must contact the School of Graduate Studies office by Sept. 15 of each year. Elections are held by mail and ballots must be returned by Oct. 15 to be counted. Terms of office are for one year and representatives may serve up to three consecutive one-year terms on the Executive Committee.

DOCTORAL FACULTY PARTICIPATION IN THE INTERDISCIPLINARY PH.D. PROGRAM

On Oct. 7, 1974, the University of Missouri Doctoral Council approved the creation of a UM doctoral faculty to identify, on all four UM campuses, qualified faculty members to direct doctoral dissertations in their disciplines. Uniform minimum standard criteria for doctoral faculty membership apply to all four campuses. In UMKC's Interdisciplinary Ph.D. program, all members of a student's supervisory committee must be regular, adjunct or emeritus members of the UM doctoral faculty, and the research adviser must be from the UMKC campus.

For purposes of the Interdisciplinary Ph.D. program, a discipline is defined as an academic unit, such as a department or division (with a chair/head) within a school, college or academic program. To be able to participate as a discipline in the Interdisciplinary Ph.D. program, a discipline, meeting the above definition, must have at least four regular doctoral-faculty members.

Doctoral Faculty Discipline Affiliation

Doctoral faculty in each participating discipline are listed with the discipline-specific information. The code (A) next to a name indicates adjunct doctoral faculty status. The code (E) indicates emeritus status. The code (D) indicates the faculty member has regular doctoral faculty affiliations in more than one discipline.

Continuing doctoral faculty are reviewed for five-year reappointment and nominations for new appointments are considered throughout each academic year. Consequently, the list of doctoral faculty is dynamic and subject to change. Current lists are available from the School of Graduate Studies.

SCHOOL OF GRADUATE STUDIES COURSES

- 5501 Disability And Community Support (3)
- 5590A Special Topics (1)
- 5590B Special Topics (1)
- 5590C Special Topics (1)
- 5590D Special Topics (1)
- 5590E Special Topics (1)
- 5590F Special Topics (1)

Law, School of

SCHOOL OF LAW

School of Law
500 E. 52nd Street
(816) 235-**1644**
Fax: (816) 235-**5276**
law@umkc.edu
http://www.umkc.edu/law/

Mailing Address
University of Missouri-Kansas City
School of Law
5100 Rockhill Road
Kansas City, MO 64110-2499

Dean:
Ellen Y. Suni
Associate Deans:
Jeffrey B. Berman
Jeffrey Thomas
Barbara Glesner Fines

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    - Litigation Emphasis Area
      - Admission
      - General Requirements
      - Curriculum Requirements
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    - Urban, Land Use and Environmental Law Emphasis Area
      - Admission
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      - Curriculum Requirements
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    - Curriculum, Master of Laws (Taxation)
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General Information

This catalog covers the academic programs of the School of Law. Prospective students should be aware that the School reserves the right to make changes in admission requirements and other specifications in the catalog. All statements in this publication are announcements of present policies only and are subject to change at any time without prior notice. They are not to be regarded as offers to contract.

History

In 1895, three young lawyers with energy and vision, William P. Borland, Edward D. Ellison and Elmer N. Powell, founded the Kansas City School of Law with the active assistance of leading members of the bench and bar. Borland, the first dean of the school, was elected to Congress in 1910 and was succeeded by Ellison, who served as dean until the School of Law merged with the University of Kansas City in 1938. After affiliation with the University of Missouri System in 1963, the school assumed its present name as the University of Missouri-Kansas City School of Law.

Accreditation

The school is accredited by the American Bar Association and is a member of the Association of American Law Schools.

Academic and Professional Training at UMKC

UMKC School of Law provides academic and professional training to students seeking careers in law. Our faculty are outstanding scholars who have extensive practice experience. Faculty at UMKC are actively engaged with students both inside and outside the classroom. Our classes are relatively small (by law school standards) and many of our substantive courses incorporate simulations and service learning opportunities. Our faculty and students are collegial and the school provides many opportunities for interaction and development of close personal relationships that will last throughout one's career. We like to think of ourselves as the urban, public law school with the small, liberal arts feel.

We are a law school that teaches students to become lawyers in the best tradition of the profession and introduces them to the opportunities and obligations of the legal profession and its role in the greater community. We appreciate the work of lawyers and their many contributions, which include educating people and institutions about their rights, helping to design prosperous business and community ventures, and working towards the effective and efficient resolution of disputes. We maintain a faculty devoted both to professional service and to advancing knowledge through the production of excellent academic scholarship.

UMKC School of Law is a community of scholars, with faculty and students working together to address the legal issues and problems confronting society today on the local, state, federal and international levels. Because we train many of the region's practitioners, business people, judges and politicians, we have a special responsibility to see that they are competent members of the bench and bar, advisers and administrators; technically proficient, professionally responsible, and knowledgeable about the range of social, political, and economic ideas that influence our society. In doing so, we are aware that our graduates must be comfortable in a variety of professional settings with people from a variety of experiences, from land-use planning meetings with the local town council to trade negotiations in Mexico City, from an opening statement in the county courthouse to an appellate argument before the United States Supreme Court. While the details of such settings change over time, we can prepare students for such varied work by concentrating always on the foundations of good lawyering: respect for people, respect for knowledge and ideas, and respect for justice.

As a Law School, we build on a strong tradition of advocacy, civic engagement and academic excellence - a program that has not only produced some of the region's best lawyers and judges, but one that has also trained a U.S. Supreme Court Justice (Charles Whittaker) and an American President (Harry Truman). We embrace and foster a collegial, collaborative model of professional education and maintain an intellectual and cultural environment that fosters broad thinking, local and global awareness and creative problem-solving.

Law Building

Nestled among giant oak trees on the corner of 52nd and Oak streets, in the center of Kansas City and at the center of the nation, is the home of the UMKC School of Law. Among the unique features of this building are office suites shared by faculty and students. The school continues to take great pride in its efforts to foster faculty-student interaction. One ongoing initiative involves assigning many second- and third-year students to offices located within suites that also house their professors' offices. This "intellectual migration" was designed to foster the exchange of ideas and more generally to promote collegiality between faculty and students. Additionally, lounges or conference rooms within the suites provide opportunities for both formal and informal meetings of students and faculty.

The school has more than 121,000 square feet of modern, usable space, including classrooms equipped with Internet-connected teaching workstations with audiovisual and video conferencing capabilities. The recently renovated E.E. "Tom" Thompson Courtroom, located on the ground floor, is equipped with audiovisual equipment used to augment the advocacy training program of the school. Auxiliary rooms allow for live trials and hearings of the many area courts and agencies in its courtroom and a unique viewing theatre above the courtroom allows for real-time commentary on court proceedings. A spacious student commons area, including the Truman Terrace (a scenic outdoor courtyard filled with tables, benches and fountains) and a vending area, is located near classrooms. Offices for many student organizations are located near the student commons area as well.

Wireless Technology Environment

The School has installed technology in the building which provides freedom from wired connections--enabling students, staff and faculty to access e-mail and multiple databases on the Internet of use to lawyers and law students using personal computers with wireless capability from offices, classrooms, study areas, the suites and the Leon E. Bloch Law Library.

Law Library

Leon E. Bloch Law Library

Law Library

The Leon E. Bloch Law Library is not only a place to study, but a laboratory for students to master legal research skills, both in traditional print and electronic media. It is also a forum for self-directed learning, a place students take control of their educational experience through researching selected paper topics and their own law review notes. The library contains holdings in major areas of legal scholarship and practice. It is home to rare, early seventeenth century editions of Sir Edward Coke's treatises and case reports. It also preserves the Charles D. Gould Jr. Collection, consisting of photographs and memorabilia from the Nuremburg trials. The collection focuses on trial advocacy, urban law, family law, small business entrepreneurship and tax law. The library's foreign law holdings are targeted for increase and access to historical materials have dramatically expanded. What is not held in print in the library, or in its many database services, is conveniently available through the library's online catalog request and delivery service. This service provides access to seventy Missouri libraries and about 18 million items. The service includes access to the holdings of the three other law school libraries in Missouri.

Additional hard to locate items can usually be retrieved through other specialized interlibrary loan services. Besides its collections, the UMKC's law library is especially strong with respect to the expertise of its librarians, most of whom teach courses in legal research and have practiced law for many years or worked as paralegals.

Electronic Resource Center

Technology has reshaped legal publishing in ways that will forever alter how attorneys and judges approach their work. The information professionals of the Leon E. Bloch Law Library have embraced this transformation in creating an ElectronicResourceCenter. The Center, comprising over forty computers, provides a teaching lab for instruction in the use of legal research databases, and access for research to the Internet, printing, and numerous database services. A fee is charged for some law student printing and for all other patron printing. The ElectronicResourceCenter also provides a scanner and a dedicated workstation for the visually impaired. In addition to access to the ElectronicResearchCenter, each law student receives a password free of cost for accessing law school and university databases from home or at other locations on campus. Wireless access to the Internet is provided to students throughout the law school and library. Perhaps, unique among law schools, the ElectronicResourceCenter hosts a free laptop clinic, where law students can go with computer and technology problems, many of which can be fixed at the clinic.

STUDY SPACES IN SUITES

The design for the school's modern building manifests a commitment to providing desirable spaces for study and interaction by students who live throughout the metropolitan area. Double- or single-occupancy offices are provided to most second-year students, research assistants and teaching assistants. Most third-year students are assigned carrels or space in Club 3L, a communal area for studying or lounging. Library study spaces, far in excess of the number of first-year students, also are available. [ES1]

The second and third-year assigned spaces are located in suites that include faculty offices. Each suite is named after a distinguished former justice of the United States Supreme Court. This innovative building plan fosters student-faculty interaction, the exchange of ideas and general collegiality.

THE SCHOOL OF LAW IN THE COMMUNITY

UMKC takes pride in being the urban law school in the University of Missouri system. From this unique vantage point, faculty and students actively lead and participate in professional activities with greater Kansas City bar associations, continuing legal education programs, lawyers and law firms located in both Kansas and Missouri and the judiciary.

The School of Law community enjoys strong partnerships with many area causes and concerns. A variety of community-based projects, ranging from the rehabilitation of inner-city houses to tax preparation services, receive benefits from this involvement. Students work with faculty on research of value to the community and are often involved in drafting or commenting on pending legislation. The LawSchool houses and assists the Kansas City Youth Court, a diversion program from juvenile court, where high school students act as lawyers and judges. Faculty, students, staff and alumni volunteers also help introduce inner-city high school students to careers in law.

Graduates of the UMKC School of Law have important responsibilities in legal arenas throughout the city, state and country. From corporate counsel positions in more than 25 national companies to the library of the Supreme Court of the United States, LawSchool alumni provide distinguished service.

On a local level, the annual listing of "Outstanding Lawyers in the Kansas City Metropolitan Area" names more UMKC alumni than from any other school. In addition, only two women have served as president of the Kansas City Metropolitan Bar Association and only one African-American has served as president of the Missouri Bar; all are UMKCLawSchool alumni. A majority of the active judges of both the U.S. District Court for the Western District of Missouri, the Missouri Court of Appeals (Western District) and the Sixteenth Judicial Circuit of Missouri are graduates of the School of Law, as is the first African-American Chief Justice of the Missouri Supreme Court. Courts throughout the multicounty metropolitan area are populated with UMKC alumni.

The LawSchool is proud of the fine reputation of its alumni and the outstanding contributions they have made and continue to make in both the legal and non-legal communities.

THE LAW FOUNDATION

The Law Foundation was incorporated in 1959 by outstanding alumni and leading citizens of Missouri, including Harry S. Truman, Charles E. Whittaker, H. Roe Bartle and other judges, lawyers, government officers and friends, to promote and advance the cause of legal education. The Law Foundation is a fiscally autonomous 501(c)(3) organization whose purpose is to raise money and steward endowed funds for the benefit of UMKC School of Law. Operating with its own board of trustees but working closely with the School of Law leadership to meet the long- and short-term financial needs of the school, the Law Foundation funds programs that are not met by other sources of revenue to the LawSchool. With the support of the Law Foundation, the school is able to sustain and cultivate diverse aspects of a superior education program.

The Law Foundation funds scholarships on an annual basis. In addition, it provides significant financial assistance for student competition participation; faculty development; library acquisitions and research materials; technology improvements; and the school's public communications program.

Over the years, the foundation and its many friends have successfully built an endowment of more than $5 million for the benefit of UMKC School of Law.

NONDISCRIMINATION POLICY

The Board of Curators of the University of Missouri and the University of Missouri-Kansas City are committed to the policy that there shall be no discrimination on the basis of race, color, creed, sex, sexual orientation, age, national origin, disability or Vietnam era veteran status. For additional information, see the Statement of Human Rights information included in the Introduction section of this catalog.

DISABLED STUDENT SERVICES

The University of Missouri-Kansas City endeavors to make all activities, programs and services accessible to students with disabilities. A campus coordinator is available to assist students with a documented disability to arrange for reasonable accommodations concerning all aspects of campus life. It is important that students contact the coordinator at least six weeks prior to the beginning of classes to arrange appropriate documentation and reasonable accommodations in the classroom. For information call (816) 235-**5696**. Individuals with speech or hearing impairments may use Relay Missouri, 1-800-735-2966 (TT) or 1-800-735-2466 (voice).

ADMISSION TO THE BAR

Graduation from law school does not guarantee admission to the bar. Each applicant should get information on the character and other qualifications for admission to the bar in the state in which the applicant intends to practice. Information regarding law student registration and bar admissions in Missouri is made available to all first-year students.

LAW ALUMNI ASSOCIATION

The UMKC Law Alumni Association, the primary friend-raising organization for the law school, was revitalized in 1992 as a division of the university-wide Alumni Association. It strengthens and extends the educational mission of the law school and its energies are devoted to bridging the passage between student and professional life, encouraging service and illustrating a commitment to a society based on law and justice. The Law Alumni Association sponsors events that facilitate student-faculty-alumni interaction.

Annual activities include alumni recognition events; assistance in student recruitment, mentoring and advising; assisting with social and professional activities connected to local and state bar associations; support to student programs and activities.

CONTINUING LEGAL EDUCATION

The Office of Continuing Legal Education is the law school's principal contact with the practicing bar and is a nonprofit revenue-generating unit for the University. The CLE office produces domestic and international educational programs, national audio conferences, practice manuals and other educational material designed to promote the competency of the bar and other professions in support of the practice of law.

UMKC law school students may attend any UMKC CLE-sponsored event free of charge and purchase CLE publications at cost. Attendance at these events exposes students to the practical aspects of law practice and provides meaningful opportunities for contact with potential employers.

The CLE office coordinates ABA-accredited for-credit study abroad programs to China and Ireland. These programs are designed to broaden law students' understanding of different legal systems while introducing them to the cultures on which those systems are built. The CLE office also coordinates courses taught by volunteeer adjunct professors and the Advanced Professional Studies program, which permits practicing attorneys and other professionals to take for-credit law school courses for non-degree credit.

The CLE office administers two cash prizes given exclusively to UMKC law school students: the Estate Planning Prize Competition and the Heart of America Tax Institute Prize.

CAREER SERVICES

The Law School Career Services Office (CSO) assists students and alumni obtain professional employment. Law firms, government agencies, businesses, the judiciary and other employers seeking law graduates for permanent positions use the Career Services Office's resources to hire UMKC School of Law graduates. The Office also assists students seeking part-time and summer clerking clerking opportunities. The Office maintains a library of employment materials for the use of law students and alumni. We have a strong on-campus interviewing program allowing many employers to come to the LawSchool to recruit our students for positions with prosecutors' and public defenders' offices, legal service organizations and federal and state government agencies, in addition to law firms. Branches of the United States military come on campus to recruit lawyers for service in the Judge Advocate General's Corps.

The University of Missouri-Kansas City School of Law is committed to its policy against discrimination. The military's hiring practices are inconsistent with the School's non-discrimination policy and the AALS bylaws. Because Congress enacted the Solomon Amendment, the LawSchool allows military recruitment on Campus. However, the LawSchool remains committed to the policy of non-discrimination. We take steps to ameliorate the adverse effect of any on-campus interviewing by military recruiters and provide all of our students with a hospitable environment in which to apply and interview for positions.

CSO provides individual career counseling to students and alumni, as well as advice and assistance in resume preparation and interviewing skills. The Office sponsors a series of programs to introduce students to a variety of career opportunities. We offer mock interviews with practicing attorneys.

We sponsor an annual Volunteer Fair to provide students with information about service opportunities in the community. The Office works closely with the Public Interest Law Association, which raises funds to provide public-interest law internships to selected law students. These funds provide stipends for law students entering their second or third year to work in public interest organizations. UMKC students have been placed at the Public Interest Litigation Clinic, the Missouri Public Defender's Office and the Kansas City, Missouri, City Attorney's Office, as well as other organizations.

CSO collaborates with the Kansas City Metropolitan Bar Association's Summer Law Internship Program and Black Law Students Association to introduce minority high school students to the rigors of college life in general and to law school student life specifically. The Office participates with the Kansas City Metropolitan Bar Association in its Heartland Diversity Legal Job Fair as well as its 1L Summer Diversity Clerkship Program to promote law clerk opportunities for diverse students.

Career Opportunities

UMKC Law School graduates have a wide variety of job opportunities available. The largest number of graduates joins law firms, ranging in size from one to more than 500 attorneys. Some of these firms specialize in specific areas of law practice. Many firms offer a general practice that spans corporate, civil and criminal law. Some law graduates do not want to practice law in a traditional law firm setting, desiring instead to use their legal skills in the business world as executives, bankers and corporate tax experts. Therefore, corporations, accounting firms, title companies, banks and insurance companies recruit them. The legal departments of state and municipal government agencies also employ graduates. Prosecutors' offices, public defenders and legal service organizations recruit at the school. Branches of the United States military recruit lawyers for service in the Judge Advocate General's Corps, and federal government agencies, such as the Department of Labor and the Environmental Protection Agency, hire graduates to staff their legal departments. Other graduates become law clerks for judges or administrators in law schools. Some become professors of law.

The Career Services Office assists our students and alumni in many ways with planning careers and obtaining positions which utilize the Juris Doctor degree.

ALPHABETICAL COURSE LISTING

The following is an alphabetical listing of courses available to students. Certain courses are offered on an every-other-year basis and others are not offered regularly. Descriptions of the courses are contained in the following section. Based on current expectations and recent experience, courses that have *(Reg)* after their name are expected to be offered at least once every two years and are therefore likely to be offered to a student during his or her tenure at the School of Law. Courses that have *(Sum)* after their name are offered in the School's Summer Abroad programs.

Administrative Law	*(Reg)*	Law 8764
Advanced Legal Research		Law 8643
Advanced Legal Research-Litigation	*(Reg)*	Law 8643L
Advanced Lawyering Processes	*(Reg)*	Law 8710
Advanced Legal Writing:	*(Reg)*	Law 8707C
Litigation Drafting		

Advanced Legal Writing: Litigation Drafting-Criminal	*(Reg)*	Law 8707D
Advanced Legal Writing: Practical Skills Development		Law 8707A
Advanced Legal Writing: Scholarly Writing	*(Reg)*	Law 8707E
Alternative Dispute Resolution	*(Reg)*	Law 8732
American Legal History		Law 8730
Animal Law	*(Reg)*	Law 8665A
Antitrust and Competition Law	*(Reg)*	Law 8605
Appellate Advocacy II	*(Reg)*	Law 8747
Appellate Advocacy III	*(Reg)*	Law 8748
Appellate Advocacy IV	*(Reg)*	Law 8775
Applied Evidence		Law 8850
Applied Professional Responsibility: Law Practice Management		Law 8638
Bankruptcy Court Clerkship	*(Reg)*	Law 8877
Bridging the Research Gap: From Classroom to Practice		Law 8746B
Business Organizations	*(Reg)*	Law 8601
Business Planning	*(Reg)*	Law 8757
Business Torts and Unfair Competition	*(Reg)*	Law 8797
Child and Family Services Clinic	*(Reg)*	Law 8752S
Children in the Law	*(Reg)*	Law 8733
Chinese Law	*(Sum)*	Law 8738R
Civil Procedure I	*(Reg)*	Law 8521
Civil Procedure II	*(Reg)*	Law 8522
Civil Procedure III-Post Trial Issues	*(Reg)*	Law 8740S
Civil Rights	*(Reg)*	Law 8791
Commercial Transactions	*(Reg)*	Law 8721
Communications Law		Law 8860
Comparative Law	*(Reg)*	Law 8743
Complex Litigation	*(Reg)*	Law 8706
Conflict of Laws	*(Reg)*	Law 8702
Constitutional Law I: The Supreme Court and the Bill of Rights	*(Reg)*	Law 8631
Constitutional Law II: Powers of Government	*(Reg)*	Law 8632
Construction Law	*(Reg)*	Law 8898
Consumer Bankruptcy	*(Reg)*	Law 8880
Consumer Protection	*(Reg)*	Law 8858
Contracts I	*(Reg)*	Law 8501
Contracts II	*(Reg)*	Law 8502
Copyright Law	*(Reg)*	Law 8798
Corporate Taxation I	*(Reg)*	Law 8886
Corporate Taxation II	*(Reg)*	Law 8887
Court Clerkship	*(Reg)*	Law 8662
Criminal Sentencing Law Practice & Procedure		Law 8635R
Criminal Law	*(Reg)*	Law 8634
Criminal Procedure I	*(Reg)*	Law 8635
Criminal Procedure II	*(Reg)*	Law 8636
Criminal Trial Techniques	*(Reg)*	Law 8820
Cyberlaw and the Infosphere	*(Reg)*	Law 8716
Death Penalty Clinic	*(Reg)*	Law 8713
Debtor-Creditor Rights	*(Reg)*	Law 8736
Defamation, Privacy, Relational & Emotional Torts	*(Reg)*	Law 8513
Deferred Compensation	*(Reg)*	Law 8845
Department of Labor Clinic	*(Reg)*	Law 8768R
Disabilities and the Law	*(Reg)*	Law 8815R

of Business Interests		
Doing Business in Ireland	*(Sum)*	Law 8601R
Economics and the Law		Law 8796
Education Law: Government & Legal Aspects of Education		Law 8870R
Elder Law	*(Reg)*	Law 8733E
Elder Law for Estate Planners	*(Reg)*	Law 8617R
Employment Discrimination Law	*(Reg)*	Law 8813
Employment Law	*(Reg)*	Law 8814R
Entertainment Law		Law 8890R
Entrepreneurial Law & Practice Clinic	*(Reg)*	Law 8757R
Entrepreneurial Lawyering: Solo & Small Firm Practice	*(Reg)*	Law 8638R
Entrepreneurship and New Venture Creation	*(Reg)*	Law 8757N
Environmental and Toxic Torts	*(Reg)*	Law 8773T
Environmental Law		Law 8773
Environmental Law Clinic	*(Reg)*	Law 8773R
Environmental Law Seminar		Law 8782
Estate Planning & Drafting	*(Reg)*	Law 8614
Estate Planning & Practice	*(Reg)*	Law 8615
Estate Planning for Charitable Giving	*(Reg)*	Law 8615R
Estate Planning with Life Insurance	*(Reg)*	Law 8612R
Estate Planning for Retirement Plan Benefits	*(Reg)*	Law 8614R
Estates & Trusts	*(Reg)*	Law 8611
Ethical Issues in Family Law Representation	*(Reg)*	Law 8609
Evidence	*(Reg)*	Law 8621
Family Court Clerkship	*(Reg)*	Law 8662F
Family Law	*(Reg)*	Law 8751
Family Law Practice	*(Reg)*	Law 8752R
Family Violence	*(Reg)*	Law 8751S
Federal Criminal Law		Law 8637
Federal Income Taxation of Estates & Trusts	*(Reg)*	Law 8843
Federal Jurisdiction	*(Reg)*	Law 8765
Federal Public Defender Externship Clinic	*(Reg)*	Law 8656F
Federal Taxation	*(Reg)*	Law 8552
First Amendment Law	*(Reg)*	Law 8633
Food, Drug & Biotechnology Law	*(Reg)*	Law 8764D
Gender and Justice	*(Reg)*	Law 8714
Guardian Ad Litem Workshop	*(Reg)*	Law 8752G
Immigration Law and Policy	*(Reg)*	Law 8738P
Immigration Law and Process	*(Reg)*	Law 8738
Independent Study	*(Reg)*	Law 8746R
Insurance	*(Reg)*	Law 8760
Intellectual Property Law	*(Reg)*	Law 8808
Interdisciplinary Perspectives on Women & Violence		Law 8751P
International Business Transactions		Law 8754
International Human Rights Law	*(Sum)*	Law 8831R

International Law	*(Reg)*	Law 8753
International Law Seminar		Law 8831
International Taxation	*(Reg)*	Law 8889
Introduction to Law and Lawyering Processes I	*(Reg)*	Law 8531
Introduction to Law and Lawyering Processes II	*(Reg)*	Law 8532
Introduction to Law and Lawyering Processes	*(Reg)*	Law 8531I
International Introduction to Workers Compensation Law & Practice		Law 8746W
Jackson County Prosecutor Clinic	*(Reg)*	Law 8656P
Jurisprudence		Law 8744
Jury Selection	*(Reg)*	Law 8895S
Juvenile Offenders and the Law	*(Reg)*	Law 8733R
Labor Law	*(Reg)*	Law 8763
Land Use Planning	*(Reg)*	Law 8766
Law and the American Indian	*(Reg)*	Law 8728
Law of Information Technology	*(Sum)*	Law 8808R
Law of International Trade & Finance		Law 8832
Law of the European Union (Part I)	*(Sum)*	Law 8735R
Law of the Eurpopean Union (Part II)	*(Sum)*	Law 8737R
Law Review	*(Reg)*	Law 8745
Law Review Board	*(Reg)*	Law 8745R
Leadership in Disability Studies: A Multidisciplinary Approach	*(Reg)*	Law 8815S
Legal Accounting	*(Reg)*	Law 8838L
Legal Aid Clinic	*(Reg)*	Law 8790
Legal Research (Thesis)	*(Reg)*	Law 8800
Legislation	*(Reg)*	Law 8641R
Mediation	*(Reg)*	Law 8734
Missouri Attorney General's Office Clinic	*(Reg)*	Law 8656A
Missouri Civil Procedure	*(Reg)*	Law 8521M
National Labor Relations Board Clinic	*(Reg)*	Law 8768
Natural Resources Law	*(Reg)*	Law 8783
Negotiating Mergers & Acquisitions	*(Reg)*	Law 8837
Partnership Taxation	*(Reg)*	Law 8888R
Patent Law	*(Reg)*	Law 8882
Patent Law Seminar		Law 8882S
Patent Prosecution		Law 8882R
Preservation Law	*(Reg)*	Law 8729
Problems and Issues in the Death Penalty		Law 8712
Problems in Bankruptcy		Law 8807
Products Liability	*(Reg)*	Law 8815
Professional Malpractice Litigation	*(Reg)*	Law 8846
Professional Responsibility	*(Reg)*	Law 8731
Property I	*(Reg)*	Law 8541
Property II	*(Reg)*	Law 8542
Public Defender Trials Clinic	*(Reg)*	Law 8656
Public Finance		Law 8771
Race and the Law Seminar		Law 8650
Real Estate Finance	*(Reg)*	Law 8861
Real Estate Transactions	*(Reg)*	Law 8875
Remedies	*(Reg)*	Law 8711

Research & Writing Requirement	*(Reg)*	Law 8746
Sales and Leasing		Law 8709
Secured Transactions	*(Reg)*	Law 8720
Securities Regulation	*(Reg)*	Law 8758S
Seminar in Constitutional Interpretation	*(Reg)*	Law 8826
Seminar in Famous Trials	*(Reg)*	Law 8735
Seminar in Gun Law and Policy		Law 8792S
Seminar in Law, Science, and Technology		Law 8853R
Seminar in Legal Education		Law 8897
Seminar in National Security Law		Law 8883
Seminar in Pre-Twentieth Century Famous Trials		Law 8735P
Seminar in Religion and the Law		Law 8827R
Seminar in The Ethics of Criminal Advocacy		Law 8820R
Seminar on the Supreme Court	*(Reg)*	Law 8881
Sexuality & the Law		Law 8714S
Social Security Administration Law Clinic	*(Reg)*	Law 8867R
Special Topics in Business Law Practice		Law 8757S
Special Topics in Entrepreneurial Lawyering	*(Reg)*	Law 8757L
Sports Law I, Amateur Sports Law	*(Reg)*	Law 8890A
State and Local Government Law	*(Reg)*	Law 8770
State and Local Taxation		Law 8848R
Tax Clinic	*(Reg)*	Law 8834R
Taxation of Business Organizations	*(Reg)*	Law 8603
Taxation of Estates, Gifts and Trusts	*(Reg)*	Law 8892R
Taxation of Property Transactions	*(Reg)*	Law 8893R
Tax-Exempt Organizations	*(Reg)*	Law 8874
Tax Planning with Life Insurance	*(Reg)*	Law 8612R
Tax Practicum	*(Reg)*	Law 8838R
Tax Procedure	*(Reg)*	Law 8834
The Jury: Practice and Perspectives		Law 8895
Torts	*(Reg)*	Law 8511
Transational Litigation & Arbitration		Law 8753L
Trial Advocacy I	*(Reg)*	Law 8700
Trial Advocacy II	*(Reg)*	Law 8703
Trial Advocacy III	*(Reg)*	Law 8705
Trusts: Planning, Drafting, Administering and Litigating	*(Reg)*	Law 8868
U.S. Attorney's Office Law Clinic	*(Reg)*	Law 8637R
U.S. Environmental Protection Agency Law Clinic: National Agricultural Compliance Assistance Center	*(Reg)*	Law 8782R
U.S. Environmental Protection	*(Reg)*	Law 8782S

Agency Law Clinic, Region VII	
Urban Lawyer Staff	*(Reg)* Law 8750
Urban Lawyer Board	*(Reg)* Law 8750B
Water Law	*(Reg)* Law 8725
White Collar Crime	*(Reg)* Law 8884
Workshop on Current Issues in Family Law	*(Reg)* Law 8778
Wrongful Convictions I	*(Reg)* Law 8635S
Wrongful Convictions II	*(Reg)* Law 8635T

Juris Doctor Degree

JURIS DOCTOR DEGREE

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ADMISSIONS

Eligibility for the J.D. Program

To be eligible to apply for admission to the School of Law's Juris Doctor degree program, a person must have either:

- A bachelor's degree based on a program of courses with substantial intellectual content (such as history, English, accounting, philosophy, calculus or chemistry) from an approved institution; or
- Completed at least 90 acceptable hours of credit in courses with substantial intellectual content in an approved institution, completed all non-elective coursework toward a bachelor's degree and made arrangements with the school that will award the degree to accept law school credits for the remainder of the work required to earn that degree, so that the student will earn the degree prior to the granting of the J.D. degree.

CRITERIA FOR ADMISSION

The School of Law restricts the number of students admitted each year in order to maintain a favorable faculty-student ratio and to provide the best possible legal education for each student enrolled. Because many more people apply to the Law School than there are seats available, admission is competitive.

Students are drawn to the School of Law because of its intellectually stimulating academic environment, vibrant and diverse campus life and interaction with and in the surrounding community. In addition to being highly skilled and ethical attorneys, graduates are expected to leave UMKC able and committed to making a difference in their families, workplaces, communities, organizations and society at large. While substantial weight is given to each applicant's LSAT score and undergraduate GPA, the law school and its faculty also consider other factors in shaping an entering class. These factors, consistent with the University's values of diversity, inclusiveness and respect, include:

- Advanced or specialized educational achievement demonstrating potential for academic excellence in the study of law.
- Contributions to the cultural diversity of the School of Law.
- A history of overcoming challenges and barriers based on societal discrimination or economic disadvantage.
- Demonstrated leadership qualities.
- A significant and sustained commitment to public or community service.
- Other accomplishments or qualities that indicate the applicant will contribute to the School of Law's academic and service missions.

ADMISSION PROCESS

All applicants are required to submit a completed, signed application form, the application fee, a personal statement and a resume. All undergraduate transcripts and two letters of recommendation must be sent to the Law School Data Assembly Service (LSDAS). Instructions for this service may be found in the LSDAS booklet. Once all materials have been submitted, a file is considered complete and ready for an admission decision to be made.

The law school makes admission decisions on a rolling admissions basis. That is, decisions are made as files are completed. This process begins in October of the year preceding the academic year applicants are applying for and continues until sufficient admissions are granted to fill the entering class. Accordingly, applications should be submitted as early as possible.

A nonrefundable application processing fee of $50, in the form of a check or money order payable to the University of Missouri-Kansas City, must accompany the application. In addition, a seat reservation fee must be paid by April 1 or a designated period after admission, whichever is later. The fee is nonrefundable but will be credited toward first-semester fees. An additional $100 nonrefundable seat reservation fee is due June 15, this fee will also be credited toward first-semster fees.

LSAT / LSDAS

In order to gain admission, an applicant must take the LSAT. The test may be taken at various locations, including UMKC. It normally should be taken no later than February for purposes of admission for the following fall. Information concerning the test is available online at http://www.lsac.org or by writing to the

Law School Admissions Council (LSAC)
Box 2000
Newtown, PA 18940-0998

Applicants also must arrange for evaluation of their college and university transcripts by the LSDAS. Further information and a registration form for this purpose may be obtained at the Web site and mailing address above.

Once the student applies, the school will request a copy of the law school report from LSDAS. Please make sure the report is paid for so there is no delay in transmission.

PREREQUISITES

No undergraduate courses are specifically required for admission to the Law School. The best preparation is a broad liberal-arts education designed to provide an understanding of the institutions and values with which the law deals and the development of those skills and habits of thought essential to legal reasoning.

Any course of study leading to an undergraduate degree will be sufficient for admission, as long as the emphasis was an intellectually demanding one that challenged the student to employ critical-thinking skills and communicate effectively. Particularly helpful to law school study, however, are courses in history, as rules of law are best understood in terms of the historical milieu in which they were pronounced or enacted. Courses in political science and economics are beneficial, because lawyers must understand the institutions of government and the economic system with which they will be dealing. Courses in speech, logic, debate and the various language arts also are useful, because they expand and sharpen reasoning and communication skills. Courses with a strong emphasis on writing are particularly encouraged in light of the crucial role effective writing plays both in law school and law practice.

MATRICULATION OPTIONS: FULL-TIME AND PART-TIME PROGRESS

Most students matriculate on a full-time basis. Some students, however, may do so on a part-time basis.

The ability to proceed part-time in the day program is designed for students who are unable to enroll on a full-time basis, e.g. disabled students, or those with family or career responsibilities. These students must enroll in 8 to 9 hours of classes each semester in the first year, and 8 to 12 hours per semester thereafter. In all other respects, students enrolled part-time are required to satisfy all graduation requirements applicable to full-time students, including the requirement that they complete all degree requirements within five years. Part-time day students develop programs with the associate dean that are designed to parallel, as much as possible, the sequence of courses for full-time students. Part-time student eligibility for *Law Review*, *Urban Lawyer*, honors and other activities will parallel, as much as possible, eligibility of full-time students.

A full-time student may not become a part-time student without permission of the associate dean. Part-time students may not become full-time students until they have completed all first-year courses, unless they obtain permission to proceed full-time from the associate dean. Once part-time students have completed all required first-year courses, they may enroll full-time or part-time for remaining coursework at their option. Students are cautioned, however, that enrollment in 13 or more hours triggers the rule limiting outside work to no more than 20 hours per week.

ADMISSION WITH ADVANCED STANDING

Except for transfer applicants enrolled at the University of Missouri-Columbia (to whom transfer is granted more liberally), an applicant for admission with advanced standing must meet the requirements applicable to entering students; be eligible to return as a student in good standing to their current law school; and present a letter from the Dean of their law school showing such eligibility. In order to be considered for admission, a transfer applicant who would not have been admissible (based on LSAT score, undergraduate GPA, etc.) had such applicant applied for initial admission at UMKC, must have at least a B average after at least one full year of law study in an approved law

school. Otherwise, a transfer applicant must have at least a C+ average in all law work in order to receive consideration. Admission decisions on transfer applications typically are not made before mid-July, once the number of available seats in the second-year class have been determined.

A maximum of 30 semester hours credit may be allowed for work successfully completed at another law school, with the right being reserved to refuse to transfer credit, in whole or in part, for any such coursework.

Except in the case of students transferring from the University of Missouri-Columbia, hours for a course in which less than a C was earned will not transfer, but retaking the course may be waived on an individual basis. Grades earned at another law school are not transferred, nor do such grades count for class ranking purposes. Transfer students must earn at least a C+ average in courses taken at the UMKC School of Law in order to graduate.

Admission Without Undergraduate Degree

Students who have completed at least 90 acceptable hours of credit in courses with substantial intellectual content in an approved institution, and have completed all non-elective coursework toward a bachelor's degree, may be admitted on the condition that the undergraduate degree be earned prior to or simultaneously with the granting of the J.D. degree. Usually this condition can only be met if the institution which will grant the undergraduate degree will accept credits earned in the UMKC Law School.

Since the UMKC Law School does not confer the undergraduate degree and assumes no responsibility in regard to it, it is the duty of the student to make certain that the requirements for the degree are satisfied. Questions concerning requirements for the undergraduate degree or of the transferability of law credits to complete the degree should be directed to the institution granting the undergraduate degree.

A letter from the institution confirming that it will accept credits earned in the UMKC Law School to complete the undergraduate degree must be submitted as part of the application for admission.

Scholarships

Scholarships are awarded to students based on the following criteria. Selection for most scholarships is based solely on material in the student's admission file. Information on scholarships for which applicants may apply will be included in their admission materials or financial aid packet.

Scholarships Based on Merit

Elizabeth Montague Averill Scholarship

Family, friends and alumni established this fund to enhance diversity among the UMKC School of Law student body by providing a scholarship to an older-than-average student who is returning to school to obtain a law degree. Special consideration is given to single, custodial parents. The scholarship is renewable subject to successful academic performance. Selection is based on applications by incoming students.

Timothy L. Brake Scholarship

Of Counsel with the law firm of Davis, Bethune and Jones, Timothy Brake **(Law 1973)** is an accomplished plaintiff's attorney. He has established scholarships at his undergraduate institution as well as UMKC School of Law. Mr. Brake believes that giving back to the institutions that provide outstanding education is a responsibility of those who have achieved success. Scholarships are awarded each year to outstanding law students. Scholarships may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Harry L. Browne Memorial Scholarship

Helen L. Browne established this scholarship in memory of her late husband, Harry L. Browne, who devoted his professional career to the practice of labor law and who was recognized nationally as a specialist in that field. The aim of the scholarship is to attract to the UMKC Law School an outstanding entering law student who has demonstrated academic merit and who may be expected to practice employment and labor law with distinction. The scholarship is offered once every three years and is renewed each year if the recipient's academic performance is satisfactory. Selection is based on applications by incoming students.

Judge David T. and Hope Cavanaugh Scholarship

Scholarships are awarded each year to students from a fund established by Hope Cavanaugh, widow of Judge David T. Cavanaugh. Judge Cavanaugh was a 1940 law alumnus and judge in Jackson County, Mo. Selection is based on admission files, as well as applications by current students.

Diversity Scholarships

Several honor scholarships are awarded each year to entering students who demonstrate merit, and who, based on background and experience, contribute to the diversity of the school. Funds are provided by the University and the scholarships are renewed annually if academic performance is satisfactory.

Professor Robert C. Downs Recruitment Scholarship

Scholarships are awarded to recruit highly qualified incoming law students who have demonstrated excellence in academics in undergraduate and graduate work, excelled on the LSAT, and participated in community improvement activities. Selection is based solely on admission files.

Professor Robert C. Downs Scholarship

One scholarship is awarded each year to a second-year student who demonstrates a commitment of service to the School of Law, the local bar and future generations of law students by virtue of being an active member of the School of Law community. Students who have earned at least 40 credit hours and not more than 65 credit hours, and who are in good academic standing at the time of application, may apply. Selection is based on applications by current students.

William P. Eckels Memorial Scholarship

Scholarships are awarded each year to outstanding entering law students from a fund established by Mr. and Mrs. Philip Eckels, John S. Eckels, Katherine Rehkopf and Elizabeth Emerson in memory of their son and brother. Scholarships may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Judge Jack E. Gant Scholarship

The Honorable Jack E. Gant (Law 1954) served on the bench of the Jackson County (MO) Circuit Court for 21 years following a successful 10 year career in the Missouri General Assembly and many years in private practice. In establishing this scholarship, Judge Gant leaves a legacy for recipients to aspire to public service and pursuit of justice in the law. Scholarships are awarded each year to outstanding law students. Scholarships may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Elizabeth Pope George Memorial Scholarship

In memory of Elizabeth Pope George, an alumna of the Class of 1924, a scholarship fund has been provided by her son and daughter. The fund awards one scholarship every three years to an outstanding female first-year student. The scholarship is renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Rollin C. Goodale Scholarship Fund

The Honorable Rollin C. Goodale (Law 1942) Scholarship Fund was established by Mr. Charles S. and Dorothy Goodale through a charitable remainder trust to memorialize Judge Goodale. Scholarships are awarded each year to outstanding law students and may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Rubey M. Hulen Memorial Honor Scholarships

Honor scholarships are awarded each year to outstanding entering law students from a fund provided by the will of Anna Hulen, widow of Rubey M. Hulen, a distinguished alumnus of the school. The scholarship is renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Dean and Professor Emeritus Patrick D. Kelly Scholarship Award

As Dean of the Law School from 1966-1978, Pat Kelly recognized the importance of scholarships to recruit highly qualified students to UMKC School of Law. Accordingly, he established the scholarship fund during his tenure as Dean. Beginning in 2005, alumni and friends hold an annual poker tournament to benefit the scholarship fund. Scholarships are awarded each year to outstanding entering law students and may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Law Foundation Scholarship

Honor scholarships are awarded each year to outstanding entering law students. The following funds, held by the Law Foundation, support these scholarships: the James A. Bayles Memorial Scholarship Fund, the James P. Kem Memorial Scholarship Fund and the Howard Allen Yost Memorial Fund. Selection is based solely on admission files.

Law Foundation/University Special Admissions Scholarships

Each year, up to four partial or full fee-waiver scholarships, plus cash amounts, are awarded to entering law students who have demonstrated scholastic superiority and who, because of diverse backgrounds and achievements, broaden the educational experience of all students at the school. They are supported in part by the memorial funds listed above that were established from contributions given to the Law Foundation. Recipients receive the scholarships each year if academic performance is satisfactory. Selection is based solely on admission files.

The Jack and Helyn Miller Scholars Program

The Miller Scholars Program was established to recognize students who, through academic achievements and demonstrated leadership, are likely to enhance the UMKC School of Law, the legal profession and the community. Miller Scholar awards are made on a merit basis, without regard to financial need, to first-year law students. Stipends take educational fees, books and living expenses into consideration. Selection is based on an application and interview process.

Filbert Munoz Memorial Scholarship

A memorial fund was established by the family and friends of Filbert Munoz to provide scholarships to students (including entering students) who have a demonstrated record of ability, desire and interest in using their education to help members of the Hispanic community.

The Nailling Society/Richard L. Files Scholarship

Ms. Bobbi Lou Nailling served as Executive Director of the Kansas City Metropolitan Bar Association (KCMBA) for 24 years. Upon her retirement, the KCMBA raised money in her honor and established a foundation. Ms. Nailling requested that the fund create a scholarship in her name and that of her late husband, businessman Richard L. Files at UMKC School of Law. The scholarship will be awarded annually to an incoming 1L student who demonstrates interst and intent to practice in the area of public service and/or the administration of justice. The recipient will have an opportunity to be introduced at the annual KCMBA "Liberty and Justice" Gala. The award is not renewable. Recipients will be selected based on a completed application reviewed by a selection committee.

Nonresident Tuition Scholarships

A limited number of nonresident scholarships are awarded each year to entering first-year law students with outstanding credentials who are not Missouri residents and who have not otherwise qualified for in-state fees. *(See Missouri Tax Scholarship.)* This scholarship pays the nonresident portion (roughly half) of the student's fees. Students will be awarded this scholarship for their first year of law school and will be expected to qualify for Missouri residency their second and third years, although the scholarship may be extended upon a showing of special circumstances. Selection is based solely on admission files.

Catherine N. & Clinton T. (Duke) Paddock Fund

A fund established to provide scholarships for excellence at the School of Law. Selection is based solely on admission files.

David Wilbur Pansing Memorial Scholarship

An annual scholarship award recognizing a student who plans to use the legal education in government or political service. The scholarship may be, but is not automatically, renewed. The Pansing Scholarship was established in 1995 by Judge Jane Pansing Brown, Class of 1982, in honor of her father, a 1954 graduate of the Law School. Selection is based on applications by current students.

Polsinelli, Shalton, Flanigan , Suelthaus Scholarship

As a demonstration of their commitment to increasing diversity within the legal profession, the law firm of Polsinelli, Shalton, Flanigan and Suelthaus has committed to fund scholarships at each of the five law schools from which they recruit most heavily, UMKC School of Law being one. Scholarships are awarded each year to outstanding entering law students from under-represented populations. Recipients have a unique opportunity to be involved with partners and associates at Polsinelli through firm events, educational programs and other offerings. Scholarships may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Dean and Professor Emeritus Robert Popper Scholarship

Established in 2005 by friends and family of Dean and Professor Emeritus Robert Popper, this s cholarship will be awarded to an entering law student at UMKC School of Law with demonstrated interest in and commitment to civil liberties, a core principle of Dean and Professor Popper as a lawyer and teacher of law. The scholarship honors and recognizes the memory of Dean Popper, who was a proud civil libertarian, specializing in criminal law, criminal procedure and constitutional law, who had a strong love for and commitment to the UMKC School of Law. An application is required and the scholarship may be renewed provided the minimum gpa is maintained and a prescribed core of course work is successfully completed.

Ruth and John Rhiner Scholarship Fund

John Rhiner (Law 1937) was proud of his legal career and thought highly of the Kansas City Law School, the predecessor of UMKC School of Law. In his estate, Mr. Rhiner provided for a s cholarship to be awarded to incoming law students at UMKC School of Law. Scholarships may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Omar E. Robinson Memorial Scholarships

Honor scholarships are awarded each year to outstanding entering law students from a fund established by the will of Ida C. Robinson, widow of Omar E. Robinson. The scholarships are renewed each year if academic performance is satisfactory. Selection is based solely on admission files.

Joseph A. Sherman Memorial Scholarship Fund

A 1955 graduate of UMKC School of Law, Mr. Sherman was known as a "gentleman of the bar" among his peers. Upon his death in 1997, family, friends and colleagues established a scholarship fund in Mr. Sherman's memory. Mr. Sherman had been an active volunteer with the UMKC Law Foundation and this scholarship pays tribue to his years as a member of the bar and volunteer at his law school. Scholarships are awarded each year to outstanding law students. Scholarships may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Edgar J. Snow Scholarship Fund

The Edgar J. Snow Scholarships are funded primarily through the generosity of Professor Patrick Randolph, the law firm of Husch Blackwell and alumni recipients of the Edgar J. Snow Scholarships. A scholarship is awarded each year to an outstanding entering international law student from China. Scholarships may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files and by the Dean, School of Law .

Trans World Airlines Inc. Scholarship A scholarship is awarded each year to a student entering the second or third year of law school and who intends to pursue a career in natural resources or environmental law. Selection of the recipient, who must be a Missouri resident, is made according to procedures established by the deans of the two University of Missouri law schools. Selection is based on applications by current students.

Wal-Mart Foundation Minority Scholarship

The Wal-Mart Foundation provides a full tuition and fees scholarship to an entering full-time law student. Preference is given to minority students coming from a racial or ethnic background which is under-represented in the practice of law. Although some consideration may be given to financial need, a recipient will be chosen based primarily on scholastic merit and evidence of leadership and commitment to service. Awards may be renewed each year subject to academic performance criteria. Selection is based on an application and interview process.

ASSISTANCE TO STUDENTS WITH FINANCIAL NEED

There are various government loan programs administered by the UMKC Financial Aid and Scholarships Office. They include the Federal Stafford Subsidized and Unsubsidized Loan Programs, the Perkins Loan Program and the Access Loan Program. The office also administers a limited amount of scholarship funds in which law students may participate.

The following funds administered by the Law School and the Law Foundation provide assistance to students with financial need.

Michael J. Albano Scholarship Fund

The UMKC Alumni Association has provided an endowment honoring Michael J. Albano for need based scholarship awards to Missouri resident students in the School of Law. The recipient must be in the high need category for financial aid.

The James A. Bayless Emergency Loan Fund

A fund established to provide emergency short-term loans for law students.

The Joseph S. Chartrand Memorial Fund

This is a memorial fund established from contributions in memory of Joseph S. Chartrand, an alumnus who taught part-time at the University of Kansas City (UKC was the predecessor to UMKC). The Chartrand fund provides an annual amount to assist students in purchasing law books. Selection is based on applications by both incoming and current students.

The Tiera Farrow Memorial Scholarship

A memorial fund established by Tiera Farrow, a 1903 graduate of the Law School, provides a partial scholarship to a worthy woman law student in need of financial aid. Selection is based on applications by both incoming and current students.

Max Foust Scholarship

Established by colleagues of Max Foust, this scholarship is awarded to a law student with financial need. Preference is given to a student who has experience or skills which can be indicators of success in the area of trial advocacy. Selection is based on applications by both incoming and current students.

Judge Fernando J. Gaitan Scholarship

The Honorable Fernando J. Gaitan is the Chief Judge of the U.S. District Court, Western District of Missouri and a 1974 graduate of UMKC School of Law. The Scholarship was established in 2007 by The Honorable Ann Mesle (Law 1972) to assist the law school in its recruitment of a diverse student body. Judge Mesle chose to honor Judge Gaitan because he "has all of the attributes of leadership, character, integrity and judical temperament that make him a person worthy of being a role model for aspiring attorneys." The scholarship may be renewed for the recipient's three years of law school, providing academic performance is satisfactory. Selections are based on admission files.

Suzanne Gilmore Memorial Scholarship

Family, friends and classmates established this scholarship in memory of Suzanne Gilmore, an alumna of the class of 1991. The scholarship is awarded to an older-than-average law student who is a single custodial parent pursuing a law degree as a second degree. The scholarship is renewed each year if the recipient remains a single custodial parent and maintains satisfactory academic performance. Selection is based on applications by both incoming and current students.

The Hispanic Bar Association of Greater Kansas City Scholarship Fund

The Hispanic Bar association of Greater Kansas City has established a fund to provide scholarships to UMKC School of Law students of Hispanic descent with financial need.

The Elmer B. Hodges Memorial Scholarship

An endowment fund established in the memory of Elmer B. Hodges provides scholarships for second- and third-year law students in need of financial aid.

Kenner & Kavanaugh Scholarship

The law firm of Kenner & Kavanaugh has provided funding to award a scholarship to one or more worthy law students with financial need.

C.R. Krimminger Scholarships

Established by a gift from C.R. (Law 1934) and Katheryn L. Krimminger, the C.R. Krimminger Scholarships are awarded each year to academically qualified students who demonstrate financial need. Scholarships may be renewed each year if the recipient's academic performance is satisfactory. Selection is based solely on admission files.

Lathrop & Gage Diversity Scholarship

The law firm of Lathrop & Gage has created an endowment for the Law School to fund a scholarship for an outstanding student with financial need whose presence in the school furthers the goal of diversity to which the Law School is committed. Selection is based solely on admission files.

Law Enforcement Scholarship

This annual scholarship will be awarded to one or more students pursuing a law degree at UMKC with financial need who are currently employed with a law enforcement agency or who have just left the agency to pursue a law degree. Preference will be given to students whose experience is with a law enforcement agency in the Kansas City metropolitan area. If no current students meet these requirements, the scholarship may be awarded to other students with financial need.

John Sublett Logan Scholarship

This scholarship was established by the John Sublett Logan Foundation in memory of Mr. Logan. It is designed to assist students in their legal education who, it is believed, will succeed in the legal profession and will give of themselves and their talents to the community in which they live. Selection is based on applications by incoming students. Preference will be given to those applicants who are natives or permanent residents of the St. Joseph, Missouri area.

The Robert B. McCreight Loan Fund

A memorial fund established by bequest from the estate of Gevene S. McCreight in memory of her husband Robert B. McCreight (Class of 1932), who had a long and distinguished career as an officer and director of stockyard companies and as president of the American Stockyards Association.

Larence Schrader Scholarship

A fund was established by Diane King to endow a scholarship in her father's memory to assist a worthy student who cares about the law and has a need for finacial assistance.

Shook, Hardy & Bacon Diversity in Law Scholarship

Established by the Shook, Hardy & Bacon Foundation beginning Fall 2008, the intent of this scholarship is to provide significant dollars for recruitment of person(s) to UMKC School of Law in order to increase diversity within the legal profession. The commitment is to fund one student through three years of his/her legal education. Selection is based on admissions materials.

Fred L. and Emma E. Wiese Scholarship

Established in 2005 by their daughter, Sarah (Law 2001), this scholarship is given in memory of Mrs. Emma Wiese and in honor of Mr. Fred L. Wiese. Sarah credits her parents with encouraging her to pursue a legal career, especially her mother. The scholarship intent is to provide financial assistance to highly qualified women who wish to attend law school with primary consideration given to rural applicants (Beloit & Russell counties in Kansas) , an undergraduate gpa of 3.75 or better, and demonstrated financial need. The award is renewable based on satisfactory grade point average.

MINORITY NONRESIDENT SCHOLARSHIPS

Chancellor's Nonresident Minority Scholarships

The University awards nonresident fee scholarships to students who are members of historically under-represented minority groups (African-American, Hispanic and Native-American) who are newly admitted to the University. Students must identify themselves as members of these minority groups in the application for admission in order to obtain the scholarships.

PRIZES AND AWARDS

Law School and Law Foundation

Academic Enrichment Award

The Law School recognizes graduating students who have served as teaching assistants in the Academic Enrichment Program for their significant contributions to enhance the academic achievement of other students.

The Thomas E. Deacy Trial Lawyer Award

Endowed in the memory of Thomas E. Deacy Sr., an eminent trial lawyer, by his wife and son, Mrs. Thomas E. Deacy and Thomas E. Deacy Jr., the Deacy Award is presented annually to a third-year law student who demonstrates trial skills and attributes possessed by Thomas E. Deacy Sr.

The Jay B. and Frances Dillingham Public Service Award

An annual cash award is given to a student for participation in, or the study of, public service. Preference is given to students with strong ties to Clay or Platte County, Missouri.

Emissary Award

The Law School recognizes the graduating students who have served as its Emissaries for their outstanding service to the school.

The Sanford B. Ladd Award Fund

This fund provides an annual cash prize to the student earning the highest grade in Real Estate Finance.

The Ralph S. Latshaw Award Fund

An annual award of law books is given to a graduating student who has excelled in criminal law.

Law Alumni Association Harry S. Truman Leadership Award

This prestigious award is given annually to a graduating third-year student who exemplifies commitment to the legal profession; service; and leadership standards as set by the Law School's most famous alumnus, Harry S. Truman. A cash award and plaque are presented.

Law Alumni Association Charles E. Whittaker Award

The Law Alumni Association's Whittaker Award recognizes the outstanding third-year student who has advanced the intellectual life of the Law School. Both a cash award and plaque are presented.

Mdivani Immigration Law Scholarship Award

Mira Mdivani (Law 1999), a nationally-recognized attorney in the practice of immigration law, established this scholarship in honor of her father, Archil Mdivani, in 2006. This scholarship is awarded each year to the winner of an essay contest.

The Annette Moore Award Fund

An annual cash prize provided by this fund is given to the student earning the highest grade in Commercial Transactions.

Outstanding Academic Achievement Award

This award provides a certificate to the member of the third-year class who has achieved the highest cumulative grade-point average during three years of study.

Marvin and Patricia Rich Corporate Law Prize

A merit-based annual award which recognizes second-year UMKC law students of superior character, academic achievement and potential, and who plan to pursue a corporate legal specialty after graduation.

The Candler S. Rogers Writing Award

This award was endowed in memory of Candler S. Rogers, a former UMKC law professor, by a close personal friend and colleague. It recognizes Professor Rogers' long tenure as faculty adviser to the *Law Review* and his distinguished achievement in legal writing. It is given annually to the student who submits the most outstanding work of legal writing to the *UMKC Law Review*.

The John L. Sheridan Appellate Advocacy Awards

The Sheridan Awards were endowed by Norman O. Sanders in memory of his law partner, John L. Sheridan, a distinguished alumnus of the Law School. They are presented annually to students who have shown outstanding achievement in the Ellison Appellate Moot Court Competition.

Structured Study Group Leader Award

The Law School recognizes the graduating students who have served as teaching assistants in its Structured Study Group Program for their exemplary service in that capacity.

The Trial Practice Achievement Award

Endowed by contributions from classmates in memory of Terry T. Thomas, a Law School graduate, this award provides an annual cash amount and certificate to the student who has made the most significant progress in trial advocacy.

UMB Bank's Excellence in Estate Planning Award

An annual award, consisting of both a cash prize and plaque, is presented to a graduating student who has demonstrated an outstanding aptitude for estate planning and achieved an overall excellent academic record.

The *UMKC Law Review* Honor Award

Endowed by attorney Wilbur L. Pollard, this award is presented annually to the student who has rendered the greatest service to the *UMKC Law Review*.

LAW BOOK PUBLISHERS

West Publishing Company

Awards are provided annually to recognize outstanding scholastic achievement.

OTHER

American Bankruptcy Institute Medal for Excellence in Bankruptcy Studies

The American Bankruptcy Institute annually provides a medal to a UMKC graduating law student who has demonstrated excellence in the study of bankruptcy law.

The Kansas City Estate Planning Symposium Prize

The prize competition was established to encourage student participation and excellence in the study of estate planning at the UMKC School of Law. UMKC law students compete for two first place and two second place cash awards which recognize students of superior character, academic achievement, and potential who plan to pursue an estate planning practice.

The National Association of Women Lawyers

A one-year honorary membership in the association and a year's subscription to the NAWL Law Journal is awarded to an outstanding woman law graduate.

The Order of Barristers

Certificates are awarded annually by this national honorary society to 10 graduates who have excelled in moot court, mock trial and other advocacy programs.

RESEARCH ASSISTANTSHIPS

A number of salaried positions as research or teaching assistants are available each year for second- and third-year students with superior academic records. Research assistant positions provide excellent training in legal research on important and interesting research projects being conducted by members of the law faculty. Students are selected to serve as teaching assistants for the Introduction to Law program, the Structured Study Group program and Academic Enrichment. These students work closely with program faculty to enhance first year student success.

REQUIRED COURSES

First Year Required Courses

All students must complete the following required courses during the first year:

Full-Time Progress

Fall Semester (15 credit hours)

Contracts I	(3)
Criminal Law	(3)
Introduction to Law and Lawyering Processes I*	(3)
Property I	(3)
Torts	(3)

Spring Semester (14-15 credit hours)

Civil Procedure I	(3)
Constitutional Law I	(3)
Contracts II	(3)
Introduction to Law and Lawyering Processes II*	(2-3)
Property II	(3)

Part-time Progress

Students enrolled on a part-time basis must take three of the required courses, including Introduction to Law and Lawyering Processes, in their first year. The remaining courses must be completed in their second year of study.

* Introduction to Law and Lawyering Processes I and II: These two first-year courses introduce students to legal reasoning; analytical and critical thinking; case research and analysis; legal writing, including office memoranda, briefs and letters to and on behalf of clients; advocacy; and all forms of legal research. They offer education in many of the fundamental skills and processes of legal practice through a combination of lecture classes and small group sessions. They are required of all first-year law students in order to supply a strong foundation of thinking, research and writing skills upon which all later, advanced courses will depend. In the second semester, some students will be assigned to, and others will have the option to elect, analytical sections of Introduction to Law (Intro Plus) to obtain more intensive instruction and practice in legal analysis and problem-solving.

Other Required Courses

Students must complete the following courses as a condition of graduation:

Required to be Taken During the Summer Preceding or Fall of Second Year:

Business Organizations	(4)
Federal Taxation	(3)
Civil Procedure II	(2)

Required to be Taken During the Summer Preceding or Spring of Second Year:

Evidence	(3)

Required to be Taken During the Second or Third Year:

Criminal Procedure I	(3)
Commercial Transactions, Sales and Leasing	(3)

or

Secured Transactions	
Professional Responsibility	(2)
A course that fulfills the school's jurisprudential requirement	(2-3)

Required to be Taken at any Time Prior to Graduation and May be Taken During the Second Semester of the First Year:

A course that fulfills the school's advanced torts requirement	(3)

ACADEMIC SUPPORT AND SUCCESS

The School of Law is committed to its students' success. Although the study of law is a difficult and challenging endeavor, the school attempts to work with students to maximize their efforts and see them through the process successfully. Several programs contribute to this effort.

The Structured Study Group Program, which is based on the innovative Supplemental Instruction (SI) model developed by the campus Center for Academic Development, offers first-year students the opportunity to participate in guided study groups in one of their first-year courses. The groups are led by an upper-class student who has successfully completed that course. The student leader attends the class with the first-year students and conducts weekly small-group sessions in which the leader models successful learning strategies for that class.

The Academic Enrichment Program is available to all students. It is especially beneficial for those students who feel they need assistance in the transition to law study. The Academic Enrichment Program is not remedial in nature. Rather, it is designed to maximize the potential of students who participate by teaching skills and strategies for success in law school.

Academic Enrichment begins with a brief summer program immediately before orientation. This is a limited enrollment program to give students a "jump-start" to their legal education. This program is followed up during the academic year with weekly group meetings focusing on learning styles, learning strategies, time management and development of skills necessary for law school success. Students also meet weekly with Academic Enrichment teaching assistants. The year-long program is open to all students.

Many of the materials used in Academic Enrichment are available to students through the program's Web site at http://www.umkc.edu/law/enrichment. Periodic lectures covering the topics addressed in Academic Enrichment are provided for all students through the Academic Enrichment Lecture Series.

AREAS OF STUDY

Law students do not have a formal major, but have options for obtaining sequenced and advanced training in areas of interest to them, including:

- Advocacy and Litigation
- Business and Tax Law
- Commercial Law
- Estate Planning and Administration
- Criminal Law and Procedure
- Domestic Relations
- Labor and Employment
- International Law
- Property and Real Estate
- Civil Liberties and Civil Rights
- Environmental Law

In addition, through participation in the Inns of UMKC program (http://www1.law.umkc.edu/Students), externships, competitions, journals and student organizations, students are able to develop skills and contacts in specialized areas of the law. Students may also elect to participate in one of the Law School's newly adopted formal concentrations, which are described below.

Students interested in particular practice areas are guided by faculty members and practitioners in developing their programs. The school, in conjunction with the Student Bar Association and the Kansas City Metropolitan Bar Association, sponsors a course scheduling and registration convocation and advisement program each semester at which representatives of the various practice areas give advice and guidance to students. In addition, an Elective Course Information Handbook is prepared each semester prior to course pre-registration that provides additional details regarding course sequencing, prerequisites and relevance of courses to practice and the bar exam.

BUSINESS & ENTREPRENEURIAL LAW EMPHASIS AREA

Important Note:

Because the School is committed to keeping up with changes in the practice of law, the requirements for emphasis areas may change during the course of a student's enrollment at the School. The requirements at the time a student is granted admission into the emphasis area are the requirements that govern completion of the student's emphasis requirements. For possible revised requirements that will take effect with the next academic year, see http://www1.law.umkc.edu/Academic/Emphasis/BusinessEntrepEmphasis.pdf

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The Emphasis in Business and Entrepreneurial Law program is designed to provide within the J.D. degree a wellrounded course of study for students interested in an emphasis in business law and transactional practice. Reflecting the multidisciplinary nature of conducting business in compliance with a variety of modern laws and regulations, the required courses and electives for this program have been selected to expose students to a wide range of substantive law education and skills training opportunities. Thus, in addition to required and elective courses in pertinent areas of law, the curriculum requirements include a course with a practical skills component, as well as training in ethics and a research and writing project targeted at business and entrepreneurial law topics. Students who qualify for and successfully complete the credential requirements in the Business and Entrepreneurial Law program should thereby be in an excellent position to pursue and succeed in careers as advisors to entrepreneurs and to for-profit or notforprofit businesses, whether in private practice or in company legal departments. This program would also be suitable for students destined for public sector careers, particularly in areas involving the regulation of businesses and business transactions.

ADMISSION

To be admitted to the Emphasis in Business & Entrepreneurial Law program, an applicant must

have a cumulative law school grade point average of at least 2.5, and must have a grade point average of at least 2.8 in all program courses or prerequisites which the student has taken prior to application for admission to the program. For this purpose, prerequisite business courses will also be counted, including Business Organizations and Federal Income Taxation.

The deadline for application to the program shall be no later than the beginning of the second week of classes of the student's sixth semester of law school. Any student who applies after the beginning of his or her fourth semester must demonstrate that the program can be completed by the end of the sixth semester of law school. Appropriate adjustments will be made to deal with parttime students not on the regular semester schedule. Exceptions to the deadlines may be made with approval of the Emphasis Faculty Advisors, by majority vote.

GRADUATION

For a student to be recognized as having graduated with an emphasis in Business & Entrepreneurial law, the student must have achieved a gradepoint average of at least 3.0 in the minimum number of emphasis course requirements listed as Required or Grouped Required; provided that a student may, at the student's option, omit a grade received in either Corporate Tax I/Sub S Tax (combined) or Partnership Tax, while still counting the course to reach the required number of academic credit hours for the emphasis; and that a student may also omit any grade received in any Grouped Required (Group B) course, so long as the student has grades from at least three (3) Group B courses to be counted in the grade point average necessary for the emphasis.

CHILD AND FAMILY LAW EMPHASIS AREA

Important Note:

Because the School is committed to keeping up with changes in the practice of law, the requirements for emphasis areas may change during the course of a student's enrollment at the School. The requirements at the time a student is granted admission into the emphasis area are the requirements that govern completion of the student's emphasis requirements. For possible revised requirements that will take effect with the next academic year, see http://www1.law.umkc.edu/Academic/Emphasis/famlaw.pdf.

The legal system is called upon to solve a host of societal problems, but none more fundamental and complex than the problems of planning and adjustment of relationships within families. The demand for legal services for families is great: more people use an attorney to address family law issues than any other legal need; over half of all state court cases involve domestic relations matters. Moreover, these cases routinely require more than mere legal advocacy or negotiation. The field of family law requires an entirely different type of lawyer – one who can work collaboratively with professionals from a wide variety of disciplines to craft creative and just solutions and empower clients to work together toward long-term solutions.

The UMKC School of Law Emphasis in Child and Family Law prepares students to serve these pressing and unique legal needs. The program prepares students to serve the whole family -- from infants to elders -- and maintains a unique collaborative and interdisciplinary framework. The emphasis program requires that students master the basic doctrine and legal theories involved when the legal system interacts with families. In addition, however, students undertake study exposing them to the perspectives of other disciplines such as psychology and social work. Students study the unique ethical dilemmas of this area of law in specialized workshops and gain hands-on experience in representing children and families in the program's clinical components. Finally, all students in the emphasis complete an in-depth capstone research and writing project.

Students who qualify for and successfully complete the credential requirements in the Child and Family Law program should be in an excellent position to pursue and succeed in careers serving children, families, and elders, whether in private or government practice or in other leadership roles.

ADMISSION

Application for Admission to the Emphasis in Child and Family Law program:

Students may apply after completing their second semester (or 29 credit hours). Students who are close to completing the hourly requirements may petition for early admission for good cause shown.

An application form will be available and must be submitted by the deadline announced by the Child and Family Law Faculty. Decisions as to whether a student will be admitted to the Emphasis in Child and Family Law will be made in the semester in which the student applies.

Procedure and Criteria for Selection:

The Child and Family Law Faculty will select the students to be admitted to the program. Criteria to be considered may include previous general academic performance in law school, previous

academic performance in courses seen as particularly relevant to the emphasis area, level of interest in serving children or families, and ability to identify an adviser willing to advise and supervise the student.
No student shall be admitted to the Child and Family Law program unless he or she has a grade-point average of 2.6 or above in all law school classes previously taken.
The Child and Family Law Faculty is authorized to make appropriate adjustments in the deadlines for part-time students or other students whose schedules do not substantially conform to the six semester paradigm.

GRADUATION

For a student to be recognized as having graduated with an Emphasis in Child and Family Law, students must have

- timely completed all concentration requirements
- receive the approval of the Child and Family Law faculty of the student's portfolio and
- earn a 3.0 grade point in concentration course work (required and elective courses).

This grade-point average shall be computed considering all Required and Elective Courses in the emphasis taken by the student, including any that exceed the minimum hour requirements for the Emphasis.

LITIGATION EMPHASIS AREA

Important Note:

Because the School is committed to keeping up with changes in the practice of law, the requirements for emphasis areas may change during the course of a student's enrollment at the School. The requirements at the time a student is granted admission into the emphasis area are the requirements that govern completion of the student's emphasis requirements. For possible revised requirements that will take effect with the next academic year, see http://www1.law.umkc.edu/Academic/Emphasis/LitigationEmphasis.pdf.

UMKC's long tradition of educating distinguished litigators is an important reason that many students choose UMKC for their legal education. To enhance that tradition, the law school has established within the J.D. degree an Emphasis in Litigation, a program designed to help outstanding students focus on those courses that will give them the skills and knowledge necessary to excel in the ever-changing world of twenty-first century litigation. In addition to taking a rigorous yet varied menu of required and elective courses, each student pursuing the Emphasis in Litigation works closely with an assigned faculty adviser and is provided with additional training in legal writing, litigation ethics, and legal research.

ADMISSION

Selection of Students for Admission to the Emphasis in Litigation
A. Deadline for admission to the Emphasis in Litigation program: Students should apply not later than their fifth semester of law school. An application form will be available and must be submitted by the deadline for applications set by the litigation concentration advisors committee and circulated to the student body. Decisions as to whether a student will be admitted to the Emphasis in Litigation will be made in the semester in which the student applies.
B. Procedure and Criteria for Selection:
1 The maximum number of students who will be permitted to enter the litigation program each year will be set by the litigation advisory committee taking into account the ability of the advisors to provide adequate supervision and advising. Each litigation adviser may set a maximum number of students that he or she will advise.
2 The litigation advisory committee will select the students to be admitted to the program. Criteria to be considered may include previous general academic performance in law school, previous academic performance in courses seen as particularly relevant to litigation, level of interest in litigation, and ability to identify an adviser willing to advise and supervise the student.
3 No student shall be admitted to the Litigation program unless he or she has a grade-point average of 2.7 or above in all law school classes previously taken.

C. Part-time Students and Other Students with Unusual Schedules: The litigation advisory committee is authorized to make appropriate adjustments in the deadlines for part-time students or other students whose schedules do not substantially conform to the six semester paradigm.

GRADUATION

For a student to be recognized as having graduated with an Emphasis in Litigation, the student must have fulfilled the following requirements:
1 The student must have satisfied all general and curriculum requirements set forth above.
2 The student must have achieved a grade-point average of at least 3.0 in the field. This grade-point average shall be computed considering all Required Courses, Grouped Required Courses, and Elective Courses in the emphasis taken by the student, including any that exceed the minimum hour requirements for the Emphasis in Litigation.

URBAN, LAND USE AND ENVIRONMENTAL LAW EMPHASIS AREA

Important Note:

Because the School is committed to keeping up with changes in the practice of law, the requirements for emphasis areas may change during the course of a student's enrollment at the School. The requirements at the time a student is granted admission into the emphasis area are the requirements that govern completion of the student's emphasis requirements. For possible revised requirements that will take effect with the next academic year, see http://www1.law.umkc.edu/Academic/Emphasis/UrbanEmphasis.pdf.

UMKC students can engage in a course of study within the J.D. degree with an emphasis in Urban and Land Use Law, Environmental Law or both. This program builds on a tradition of excellence in urban and land use law at the law school and on the UMKC law faculty and students' 35-year editorship of The Urban Lawyer, the national quarterly law journal of the American Bar Association Section of State and Local Government Law. Students in this specialized course of study will be able to choose from a variety of courses, seminars, internships, and externships in the law school and in other units and departments of the university including public administration, urban planning and architecture, geosciences, political science and economics. Students who choose to pursue this program will be prepared to enter the job market with specialized knowledge of the issues and law relevant to land use; real estate development; state, regional and local government and the environment.

ADMISSION

Students in their second or third year may elect to specialize in the "Urban, Land Use and Environmental Law" curricular emphasis program. To do so, a student must apply no later than the end of the second year. Advice about compliance with the requirements is available from the Emphasis Faculty Advisors.

GRADUATION

To be recognized as having graduated with an emphasis in Urban, Land Use and Environmental Law, students must complete all requirements with an average grade of B or better (and no grade below a C). Students who have met the program requirements by the time of graduation will have this distinction noted at that time.

ATTENDANCE

Administrative Rules and Regulations

Attendance

Preamble

All ABA-accredited law schools are required to abide by the Standards for Approval of Law Schools of the American Bar Association, including the rule that, "A law school shall require regular and punctual class attendance"*. This provision carries with it a clear, affirmative duty on the part of each institution:

- A law school shall demonstrate that it has adopted and enforces policies insuring that individual students satisfy the requirements of this Standard, including the implementation of policies relating to class scheduling, attendance and limitation on employment**.

Consistent with these directives, the UMKC School of Law faculty believes that dependability is an essential characteristic of a good lawyer. The Law School's objective is not only to ensure academic success, of which attendance is a major component, but also the development of good professional habits.

Over the years the Law School faculty has experimented with different attendance policies and has found that, without such a policy, attendance becomes noticeably lax, which in turn can contribute to poor performance on the bar examination.

Moreover, the faculty recognizes that sound academic reasons exist for adopting a uniform attendance policy that allows some classes to require even more stringent attendance requirements.

Finally, the faculty recognizes that, if it imposes a mandatory attendance policy on students, the faculty also needs to impose compulsory attendance-taking on itself, using a standardized system, to ensure uniformity, fairness and predictability in the implementation of its attendance policy.

* Standard 304(d), Standards for Approval of Law Schools of the American Bar Association.
** Interpretation 304-6, Standards for Approval of Law Schools of the American Bar Association.

Procedures

1. Every faculty member shall take attendance each day of class by distributing a sign-in sheet consisting of a current class roster, or a suitable alternative. If a sign-in sheet is used, each student in attendance must sign the roster next to his or her name. The faculty member or her administrative assistant shall deliver completed attendance sheets or the results of the suitable alternative method of taking attendance to the Director of Student Services promptly.
2. Each student shall be allowed absences up to, but not exceeding, two times the number of credit hours in a course. (For example, a student in a three-hour class that meets in two 75-minute sessions each week may miss a total of four such sessions. A student in a three-hour class that meets in three 50-minute sessions may miss a total of six such sessions.) In their discretion, faculty members may require fewer, but may not allow more, absences. If a faculty member intends to impose a more stringent attendance policy, he/she must notify students of the policy by announcement in class or in writing or by electronic posting during the first week of the semester.
3. Each absence exceeding the limitation imposed by paragraph 2, above, shall result in a one-step letter grade reduction for the course to be assessed by the Dean's Office, e.g., from "B" to "B-" or from "A-" to "B+". (For example, a student who misses five classes in a three hour class that meets in two 75-minute sessions will be assessed a one-step grade penalty. If that student misses a sixth class, he or she will be assessed an additional one-step grade penalty.) A faculty member may in his or her discretion in consultation with the Associate Dean impose other academic requirements in lieu of the grade reduction.
4. Accumulated absences exceeding three times the number of credit hours in a course shall result in the student's administrative withdrawal from the course provided the student is in good standing at that time, i.e., provided the student has not earned the grade of "F" for work completed at the time of withdrawal. Students who are not in good standing will receive a grade of "WF" for the course.
5. Students may appeal a grade-assessment or involuntary course withdrawal to the Associate Dean in writing within one week of notification of the

assessment/withdrawal.
6. This policy does not affect a faculty member's guidelines for the turning in of out-of-class assignments and papers. The individual faculty member, not the Dean's office, has the sole discretion to award late penalties for failing to turn in an assignment or paper on time or to excuse the late handing in of assignments and papers. For this reason, the Dean's office only oversees student absences from class.
7. Students and faculty will be responsible for monitoring their own compliance with this policy.
8. Falsification of attendance records constitutes a violation of the UMKC School of Law Honor Code.

SNOW POLICY

University policy mandates that the University will always remain open even during inclement weather, and classes will generally be held. In the event of a major snow or ice storm creating potentially dangerous conditions, a decision may be made to suspend some or all classes. Announcement of such a decision will be made on local radio and TV. Efforts will be made to establish a call-in line for students to determine whether a class or classes will be held.

EXAMINATIONS AND GRADES

In most courses, the final grade is based on the student's achievement on an examination given at the end of the semester. Examinations are anonymous, and papers are identified solely by number. Each student is expected to take examinations at the scheduled times. For failure to do so, a grade of F is assigned.
Grading of student work is on a 4.0 system:

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                              A+ = 4.3     A = 4.0     A- = 3.7
B+ = 3.3     B = 3.0     B- = 2.7
C+ = 2.3     C = 2.0     C- = 1.7
D+ = 1.3     D = 1.0     D- = 0.7
F  = 0
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Some courses are graded on a pass/fail basis.

A student receiving a grade of F in a required course must repeat and pass the course. Grades of F remain on a student's transcript and count toward a student's grade-point average even if a course for which an F is given is repeated and passed.

The temporary grade of I (incomplete) is recorded when the student has not completed the work required for the course. It may only be entered with the written permission of the professor teaching the course. If the work is not completed and a permanent grade not submitted to the school's records office by the end of the following semester, the I grade will be replaced with a grade of F.

Final Examination Rescheduling Policy

A student may request that one or more final examinations be rescheduled under the following circumstances:

- Two final examinations in the same calendar day.
- An evening final examination followed by a morning final examination the next calendar day.
- Three final examinations on three consecutive days (in the first week of examinations only).
- Four final examinations in five days (in the first week of examinations only).
- An emergency warrants rescheduling (request must be documented).

The policy with respect to take-home final examinations is as follows:

- If the take-home final examination is "floating," (e.g. the student may choose when to take it within a defined timeframe) the student may not **create** a conflict by opting to take it during an interval conflicting with another final examination.
- A take-home final examination does not conflict with the preceding final examination(s) under the first or third rules above (two exams in the same calendar day or three exams on three consecutive days), if it may be checked out at least four hours after the prior examination is scheduled to conclude.
- A take-home final examination does not conflict with the preceding final examination(s) under the fourth rule above (four exams in five days), if it may be checked out on Friday, at least four hours after the prior final examination is scheduled to conclude.
- Perceived conflicts involving take-home final examinations of greater than 48 hours in length will be dealt with on a case-by-case basis.

Requests to reschedule a final examination should be directed to the School's Director of Student Support Services.

Once a conflict has been identified, the director will determine which final examination(s) to move, and to what day and time, in order to eliminate the conflict.

Requests to reschedule a final examination on short notice because of severe illness or an emergency must be documented, and will be considered on a case-by-case basis. All such requests must be presented to the Director of Student Support Services for the School of Law **immediately** (See Student Support Services (Law)).

The policy with respect to requests to reschedule based upon disability is as follows:

- All disability-based requests must be approved by the Assistant Director for Student Disability Services (See http://www.umkc.edu/disability and Non-Discrimination Policy, above).
- The Director of Student Support Services will reschedule a final examination because of disability only on request of the Assistant Director for Student Disability Services.

LATIN HONORS

Three types of Latin honors are awarded to those UMKC School of Law graduates who have achieved academic distinction, they are:

- Summa Cum Laude ("with highest honor")
- Magna Cum Laude ("with great honor")
- Cum Laude ("with honor")

While the University's degree regulations provide some restrictions on the number of graduates in each class that may receive Latin honors which may reduce the percentage of students graduating with Latin honors in each category, in general, Latin honors are awarded as follows:

1. Summa: A student with at least a 3.7 GPA who is also ranked in the top 5 percent of the graduating class.
2. Magna: A student with at least a 3.5 GPA who is also ranked in the top 10 percent of the graduating class.
3. Cum Laude: A student who is in the top 20 percent of the graduating class.

CREDIT IN LIEU OF GRADE OPTION

After completion of the first year, a student may take one elective course ordinarily graded (except a 4-credit-hour class) on an ungraded basis. For a "pass" to be posted on the student's record, work done for the course must be equivalent to a grade of C- or better; otherwise, the actual grade received will be posted.

The student must make this election before the beginning of the semester by completing and filing the appropriate form (available at the Law School) in person at Registration and Records (Administrative Center, Room 115, 5115 Oak).

APPEAL OF GRADES

Students are responsible for meeting the standards of academic performance established for each course in which they are enrolled. The establishment of the criteria for grades and the evaluation of student academic performance are the responsibilities of the professor.

The school's grade appeal procedure is available only for the review of allegedly capricious grading, and not for review of a professor's evaluation of a student's academic performance.

Capricious grading, for grade appeal purposes, consists only of any of the following:

- The assignment of a grade to a particular student on some basis other than the performance in the course.
- The assignment of a grade to a particular student by resort to more exacting or demanding standards than were applied to other students in the course.
- The assignment of a grade by a substantial departure from the professor's previously announced standards.

Step 1: The student should first discuss the course grade fully with the professor. This must be done within six weeks after the professor turns in the grade or the beginning of the succeeding regular academic semester, whichever is later.

Step 2: If the matter is not resolved through consultation with the professor, the student may appeal to the dean. This must be done within 10 days after notification of the decision of the professor. The appeal to the dean shall be in writing, and shall state which of the three charges of capricious grading is alleged to have been violated and shall specify such facts as are relied upon to support the charge.

Step 3: The dean shall review the appeal and, if found to be without merit, shall dismiss it. If it is determined that the appeal may have merit, the dean shall appoint an ad hoc faculty committee to review the record and provide advice on the matter. The grade in any course that is based on an anonymously-graded examination shall be presumed not to be capricious.

Step 4: If the dean believes a change in the grade to be warranted, he or she shall present a report to the faculty of the Law School in order that the faculty may act on the matter.

Step 5: If the student is dissatisfied with the action of the dean or the faculty, the student, within 10 calendar days of the decision of the dean, may appeal to the chancellor in accordance with the University of Missouri-Kansas City Procedure for the Appeal of Grades.

ALCOHOLIC BEVERAGES

There shall be no drinking or serving of alcoholic beverages in the law building or on other campus property without the approval of the vice chancellor for administrative affairs.

Student groups desiring approval must request the approval at least two weeks prior to the date of the intended use. Request forms are available in the dean's office.

PARKING

The parking lot and driveway on the north side of the law building are for faculty and staff parking. Violators deprive faculty and staff of parking spots they pay for and violators will be ticketed and their vehicles may be towed or locked by a "boot." A number of metered spots are in the lot and may be used by students who have registered their vehicles. After 4:30 p.m., a portion of the lot is open to students provided they have purchased a student parking permit. Students must register vehicles with the Campus Police.

WITHDRAWAL FROM COURSES

A student enrolled in a course cannot unilaterally withdraw from it but must secure permission from the associate dean to do so, and must follow prescribed withdrawal procedures. A student who is not in good standing in the course at the time of withdrawal (has earned a grade of F at that point) will receive a grade of F for the course.

SCHOLASTIC PROBATION AND DISMISSAL

A student who obtains a GPA below 1.8 in his/her first semester will be automatically dismissed from law school. Such student may apply for readmission in the summer of that academic year as under then existing standards and procedures for readmission, and may apply for admission, as a new student to the law school beginning no earlier than the following fall semester. Only under extraordinary circumstances beyond the student's control will the Student Affairs Committee consider a student's petition prior to that summer. If extraordinary circumstances exist, at least one faculty member of the committee and its chair must grant permission for early consideration.

A student will be placed on academic probation if his/her cumulative GOA falls below 2.0. Any student on probation will have one semester to raise the cumulative grade-point average to the required level (2.0) or be dismissed for academic deficiency. A student on academic probation may not work or engage in significant law school extracurricular activities.

Students readmitted to the School after dismissal on the grounds of academic deficiency will have one semester to raise the academic average to the required level, unless the faculty decides that a longer period is warranted.

If a probationary student successfully raises his or her average to the required level at the end of the probationary period and subsequently falls below 2.0 again, the student will be dismissed and a second probationary period will be granted only after a petition and favorable faculty action.

Readmissions Policy Guidelines

I. Readmissions Committee

The Faculty Readmissions Committee considers all petitions for readmission in the first instance. Petitioners are afforded the opportunity for a personal interview with the Readmissions Committee.

II. Criteria for Petitions for Readmission

A. No petition for readmission will be granted unless the petitioner establishes to the satisfaction of the Readmissions Committee in the first instance or the faculty upon appeal under III(B)(2)-(3) that:

(1) there is a substantial likelihood that the student will be able to make up his or her grade deficiency within an appropriate time and manner in accordance with a plan approved by the Readmissions Committee or the faculty, and

(2) the grade deficiency is substantially attributable to circumstances or events which do not reflect on the student's abilities to perform in law school and which do not reflect the absence of qualities which bear on the ability of a person to successfully deliver legal services.

Circumstances that may meet this test are:

(a) serious personal illness or other medical problems, or

(b) the occurrence of an event or series of events causing severe emotional stress (e.g., death of a family member, divorce or separation from a longstanding partner, assault), or

(c) documented disability that can be, but has not previously been, reasonably accommodated, or

(d) any other serious problem significantly affecting law school performance.

B. Any situation which the student feels contributed to his or her academic difficulties should be clearly stated in the petition for readmission and documented to the extent practicable. Remedies the student wishes to see taken should also be addressed in the petition. The petitioner must certify the truthfulness of all statements provided in the petition.

III. Decisions to Admit or Deny Readmission

A. Decisions to Admit

(1) If the decision of the Readmissions Committee is to readmit, that decision is final.

(2) Upon a decision to readmit, the Readmissions Committee or the faculty shall construct a plan and specify conditions for remedying the grade deficiency. Ordinarily, the student will be required to raise his or her cumulative grade point average to a 2.0 within one semester. In appropriate cases, the Readmissions Committee or the faculty may specify additional conditions for remedying the grade deficiency.

B. Decisions to Deny

(1) If the decision of the Readmissions Committee is to deny readmission and that decision is unanimous, there is no appeal permitted, except as detailed in B(3) below.

(2) If the decision to deny readmission is not unanimous, the student has a right of appeal to the full faculty. [Automatic right to appeal]. If the faculty votes to deny readmission, that decision is final and no possibility of appeal within the LawSchool, campus, or university exists.

(3) If there is no entitlement to appeal in accordance with the above provisions, then the Dean or his or her designee may, in that person's discretion but only in extraordinary circumstances, refer an appeal from a Readmissions Committee decision to the faculty. Such referral shall be accompanied by a written explanation for the granting of the appeal. [Discretionary appeal]. A student must request the Dean's review within ten days of notification of the committee's decision. If the Dean or his or her designee decides not to refer to the faculty, that decision is final.

IV. Notification of Decision of the Committee

A. After the Readmissions Committee deliberates, the petitioning student shall be notified either that

(1) the student is readmitted, or

(2) the student is denied readmission and the decision is final, but that the student may seek leave to appeal from the Dean upon a showing of extraordinary circumstances or

(3) the student is denied readmission but has the right to appeal to the faculty.

B. The full faculty shall constitute the appellate body for petitions after the fall semester. The executive committee of the faculty shall constitute the appellate body for petitions after the spring semester. Faculty may participate at their request in the faculty deliberations by teleconference.

V. Attendance in Classes Pending Petition

A. Initial Petition

Students may continue in their classes until either the dean makes a determination to deny referral to the faculty under III(B)(3) or the faculty makes a determination under III(B)(2)-(3). At that time, the student must cease attending classes if the decision is to deny readmission.

B. Subsequent Petitions

Students may not attend classes until the Readmissions Committee has made a decision to readmit under III(A) or the faculty has made a decision to readmit under III(B)(2)-(3).

C. Dismissal as a First Semester Student

Students dismissed from the LawSchool for achieving a grade point average under 1.8 after their first semester must cease attending classes immediately upon notification. The student may make their initial petition in the summer following their dismissal. These students do not have the right to enroll or continue in any classes during the pendency of their petition.

VI. Subsequent Petitions

A. Re-Petitions After Denial

A subsequent petition is a petition that has previously been denied. A subsequent petition may be considered by the Readmissions Committee only if it presents new evidence. New evidence is evidence not available or not reasonably discoverable with a prior petition. Subsequent petitions shall be determined by the same process and standard of review as petitions for readmission.

B. Petitions By Persons Who Have Previously Been Readmitted.

Only in exceptional circumstances will a student who has previously been readmitted and subsequently dismissed be readmitted again.

Dean's Honor List

Dean's Honor List
The Dean's Honor List recognizes students who have demonstrated academic excellence in a semester. To be so recognized, a student must have achieved at least a 3.0 GPA for the semester carrying a course load of at least 12 School of Law course credit hours with at least three of those courses being graded courses.

Acceleration

Juris doctor degree students may graduate in two and one-half years. To do so requires attending at least two summer sessions in order to accumulate enough credit hours to meet the 91-credit-hour requirement and the residency requirement. Each summer session may be considered one-half of a semester toward satisfying the residency requirement.

Employment by Juris Doctor Degree Candidates

Full advantage of the opportunity for a sound legal education only can be gained by devotion of sufficient energy and attention to legal studies. The excessive diversion of time and energy to employment can seriously impair success in law school and preparation for law practice. For this reason, full-time first-year law students should not engage in any outside work, and upper-class students should not engage in excessive outside work.

Accreditation requirements mandate that a student may not be employed more than 20 hours per week in any week in which the student is enrolled in more than twelve class hours. The School has the obligation to adopt and enforce policies assuring that its students meet this requirement.

Students on academic probation may not work.

Activities and Services

Competitions

The School of Law has a comprehensive program of advocacy training that involves both intra-school competition and participation in external programs. The school has established a strong tradition of excellence in inter-school competition both at the regional and national levels. The program receives strong support from the School, alumni and friends, both financially and through assistance from leading members of the bar.

National Mock Trial Competitions

Students compete in intra-school competition to demonstrate their abilities in trial skills. Those achieving the best scores represent the school in regional and national mock trial competitions, including the National Trial Competition (coordinated by the American Bar Association's Section on Litigation and the Texas Young Lawyers Association) and the American Association for Justice Mock Trial Competition. Our trial team was the Regional winner for 2008 and advanced to Nationals in Texas.

National Moot Court Competitions

All students may participate in intra-school moot court competition. Additionally, students showing outstanding appellate advocacy abilities represent the school in annual regional and national moot court competitions, including the National Moot Court Competition, sponsored by the Association of the Bar of the City of New York. UMKC teams have been very successful in advancing into the elimination rounds at regional tournaments.

Outstanding student advocates also participate in a variety of other competitions, including the ABA National Appellate Advocacy Competition, the Frederick Douglass Moot Court Competition, the Judge Conrad B. Duberstein National Moot Court Competition (Bankruptcy Law), the Family Welfare and Adoption Law Competition and the Jessup International Law Moot Court Competition. Teams compete locally, nationally and internationally in these competitions.

Client Counseling and Negotiation Competitions

Each year the School selects teams to compete in the ABA Negotiation Competition and the National Client Counseling Competition. Selection is based on intra-school competitions open to all students. Our Negotiating Team has an outstanding record, having advanced to Nationals almost every year and finishing in the "final four" nationally four times in the past twenty years.

The Scott Welch Memorial Advocacy Fund

This fund was endowed by alumnus Lantz Welch in memory of his son, and by memorial contributions of friends of the family. The fund provides travel expenses and recognition for students representing the School of Law in national appellate advocacy and mock trial competitions.

The UMKC Law Foundation also provides significant support for internal competitions and travel to regional and national competitions.

Viewing Actual Court Proceedings

The E.E. "Tom" Thompson Courtroom, attached to the law building, is one of the premier teaching courtrooms in the country. It contains computer-controlled audiovisual equipment, together with a 70-seat sound-proof observation balcony, providing a full opportunity for teaching and team practice with the aid of audiovisual critique. A complement of ancillary rooms enables the courtroom to be used by state and federal trial and appellate courts, providing special learning experiences for students.

Scholarly Publications

The UMKC School of Law offers several opportunities for students to develop research, writing and editorial skills through journal participation.

Law Review

The *UMKC Law Review* is a scholarly legal publication, managed by the UMKC Law Review Editorial Board and edited by the board and staff. Law students are invited to become a member of the *Law Review* based on their scholastic performance and achievement in a writing competition, which occurs during the spring semester. *Law Review* membership is considered one of the highest Law School honors. The *Law Review* is responsible for publishing four issues a year. One issue of the *Law Review* each year contains a Law Stories section that publishes stories about personal experiences or lessons learned in legal practice, unique clients or enlightening client interactions, or illuminating

episodes in legal education. The *UMKCLaw Review* is the only law review in the country with a section devoted to law and narrative.Each quarterly issue contains contemporary articles by leading authorities in the legal community, comprehensive comments on legal topics written by members of the editorial board and senior staff members and notes by staff members analyzing recent legal developments. By actively participating in the publication process, staff members greatly improve their writing, analytical and editing skills.

Urban Lawyer

The *Urban Lawyer* is a prestigious and widely-read journal covering the areas of urban and public law. It is published quarterly by the American Bar Association's Section on State and Local Government Law. The articles are collected, annotated and edited by student editors and faculty members at the Law School. As a member of the staff, the student is provided with an opportunity to enhance research, writing, and analytical skills, and to gain a wide spectrum of knowledge of urban law. Selection for staff positions is by a writing competition at the beginning of the spring semester.

Journal of the American Academy of Matrimonial Lawyers

The American Academy of Matrimonial Lawyers has chosen the School to assume editorial responsibility for its twice-yearly publication. The journal uses a symposium style format with featured articles on a selected family-law theme and an annotated bibliography of articles related to the issue's theme. The journal is edited by a faculty member with student editorial assistance. Under the faculty member's supervision, students research and write papers on a topic designated for an upcoming issue and edit submitted lead articles. Papers submitted by students are considered for publication in the journal.

PROFESSIONAL AND SOCIAL ACTIVITIES

The School of Law has a full range of professional and social activities available for students. These activities provide an opportunity for students to get to know one another as well as to interact with faculty and members of the legal community.

American Bar Association/Law School Division

The ABA/LSD is a national organization open to all law students. It was founded to encourage law students' participation in the efforts of the organized bar in forming and revising standards of legal education. Through the division, students have a voting influence on the positions taken by the ABA in regard to current issues and problems facing the legal profession. Historically, the division has enjoyed strong support from UMKC law students, many of whom have become regional and national officers.

American Civil Liberties Union/Student Chapter

The UMKC student chapter of the ACLU is open to all law students. The student chapter exists to raise awareness of civil liberties issues in both current events and the law; and as a means of gaining valuable experience through volunteer work with ACLU of Western Missouri & Kansas.

Animal Law Society

The purpose of the Animal Law Society is to foster critical thought and debate about the application of animal-rights principles to the law. The Society embraces the principles that the common law classification of non-human animals as personal property must be reformed to increase the legal status of non-human animals in order to assure them greater protection under the law; that the use of animals for scientific purposes is not beyond moral criticism; and that human beings have a responsibility to protect non-human animals and their natural habitats. The Society seeks to promote an awareness of these principles and to further their application through its activities.

Art Law Society

The purpose of the Art Law Society is to connect law school students and faculty to art related events; to spread awareness of legal issues that individuals and businesses involved in the arts could encounter; and to benefit those individuals and businesses through community service, while connecting them with individuals and organizations who can assist them with Art Law issues. The Society holds an art auction annually to benefit and spread awarness about Kansas City Volunteer Lawyers and Accountants for the Arts (KCVLAA).

Asian/Pacific Islander Law Students Association (APILSA)

The purpose of the APILSA is to articulate and promote the professional needs and goals of Asian and Pacific Islander law students by utilizing the collective resources of the law school and the legal community; to focus upon the relationship of the Asian and Pacific Islander attorneys to the American structure; to instill in the Asian and Pacific Islander law students a greater awareness of the commitment to the needs of the Asian American community; to foster and encourage professional competence; and to do all things necessary and lawful to accomplish these purposes.

Association of Women Law Students (AWLS)

AWLS is open to all law students and was formed to promote the role of women in the legal profession and its bar associations, to encourage the acceptance of qualified women in the academic and legal communities, and to exert an influence in the law, the profession, the school and the community.

BigWigs

The BigWigs is a student organization that works in conjunction with Big Brothers Big Sisters in an effort to recruit Bigs within the law school, foster a community of information-sharing about the program, and organize fun activities where Bigs who attend UMKC Law can get together with their Littles. The only requirements for membership in this organization are enrollment at UMKC School of Law and participation in Big Brothers Big Sisters in the Kansas City area.

Black Law Students Association

BLSA, founded in 1968 by black law students, is a national organization representing more than 90 percent of the nation's African-American law students. Its goals are to articulate and promote the professional needs and goals of African-American law students; to focus upon the relationship of the African-American attorney to the American legal system; to instill in the black attorney and law student a greater awareness of the importance of commitment to the needs of the African-American community; and to influence American law schools, legal fraternities and legal associations to use their expertise and prestige to bring about change within the legal system in order to make it responsive to the needs of the African-American community. The school's BLSA chapter works closely with local bar associations and area leaders to strengthen the role of the black lawyer in the Kansas City community.

Business and Tax Law Society

The Business and Tax Law Society is an organization of law students interested in Business and Tax Law.

Christian Legal Society

Founded upon Alexis de Tocqueville's notion that as a Judeo-Christian nation, America will remain great only as long as America remains good, the CLS seeks to discern the parameters of the ethical vitality and moral essence of the law. Open to all students, the CLS offers opportunities for spiritual and temporal support as well as searching dialogue and well-earned rest and fellowship during each academic year.

Constitutional Law Society

The purpose of the Constitutional Law Society of the School of Law is to explore and inform students about constitutional law. The Constitutional Law Society endeavors to meet its objectives by sponsoring speakers and workshops providing insight into the area of constitutional law.

Emissaries

The Emissaries are the official student public relations team for the School of Law. Emissaries are chosen by faculty, staff and students from a select pool of applicants. This group works closely with the Law School administration in such areas as recruitment, representation of the Law School community at special events and serving as tour guides to prospective students and visitors. Emissaries enjoy a good deal of contact with alumni and members of the Kansas City metro law community. They also participate in various community service activities.

Environmental Law Society

The Environmental Law Society is a group for those who are interested in environmental issues, especially issues in the Midwest, particularly in the Kansas City metro area. Moreover, the Environmental Law Society is available to assist and educate students who are interested in pursuing a career in Environmental Law. It is an organization valuing service and the welfare of the community in relation to its environment.

Family Law Student Association

The purpose of the Family Law Student Association is to provide law students with information and experiences within the field of family law, allow students to become acquainted with professionals in the field, promote student interest in family law and encourage family law education throughout the UMKC Law School student body.

Federalist Society

Founded in 1982, the Federalist Society has 110 chapters at law schools across the country. Its membership consists of students who are interested in legal and political topics with an emphasis on separation of powers and traditional values and views about the law. The UMKC chapter presents speakers and sponsors forums on a variety of issues. An active and growing lawyer's chapter cooperates with the UMKC chapter.

Health Law Society

The purpose of the Health Law Society is to help students of UMKC Law School gain knowledge of current issues in the world of health care and to promote education of those issues.

Hispanic Law Students Association (HLSA)

The Hispanic Law Student Association serves to protect and advance the rights of Hispanic students and other minorities in our law schools as well as local, regional, and national communities; to instill greater awareness of the cultural differences, similarities, and needs of the Hispanic population; to provide educational support and social opportunities for students interested in Spanish language and culture; and to encourage diversity and foster positive changes within the legal academic and professional communities.

Honor Court

The Student Bar Association of the Law School has adopted an honor code prohibiting any conduct which would give an unfair advantage to any student in any academic matter or in any matter relating to academic credentials. The honor code has been posted on the school's World Wide Web site.

The honor court hears all cases involving alleged violations of the honor code. It is composed of a chief justice and four associate justices appointed from the student body by the president of the Student Bar Association with the approval of its board of governors.

Intellectual Property Law Society

The Intellectual Property Law Society is an organization of law students interested in patent, copyright, trademark or trade secret law. The primary purpose of the IPLS is to promote opportunities for its members to learn more about intellectual property issues through course offerings, participation in moot court competitions, interaction with local practitioners and summer clerkships.

International Law Society

The International Law Society offers students the opportunity to focus on the many facets of law from an international perspective, from the practicalities of a legal practitioner to the theoretical applications of multinational dispute settlements. The current explosion of trade opportunities, worldwide environmental concerns and new partnerships in political and economic arenas present exciting opportunities for tomorrow's lawyers to shape the future of global cooperation.

J. Reuben Clark Law Society

The Mission of the School's Alexander Doniphan Student Chapter of the J. Reuben Clark Law Society is to affirm the strength brought to the study of the law by a law student's personal religious conviction. The members strive through public service and diligence in their studies to promote fairness and virtue founded upon the rule of law.

Jewish Law Students Association

The purpose of the organization is to meet the needs of Jewish law students at the University of Missouri-Kansas City School of Law and to promote awareness and understanding of the Jewish people, their religion, traditions and of the State of Israel.

Legal Fraternities

Chapters of three national legal fraternities, Delta Theta Phi, Phi Alpha Delta and Phi Delta Phi, have been established at the Law School. Through their professional programs and social activities, members of the student body have the opportunity to develop professionally and to interact socially with members of the bench, bar, Law School faculty and fellow students.

Missouri Association of Trial Attorneys (MATA)

The UMKC MATA chapter was formed with the basic ideals of the statewide organization and the national organization, known as the Association of Trial Lawyers of America. These ideals and goals include seeking justice, protecting those who deserve redress from injury, promoting the public good through concerted efforts to secure safe products and upholding the honor and dignity of the legal profession.

Midwestern Innocence Project Student Organization (MIPSO)

MIPSO is a part of the Mid-Western Innocence Project (MIP). Both organizations seek the exoneration of those who are incarcerated but are actually innocent. MIPSO assists MIP by having monthly clinics to screen petitions and planning awareness programs to educate the law school community about the problem of wrongful convictions. Its Web site address is:www.mipsoumkc.com.

Moot Court Board

Students who wish to further develop their appellate argument abilities may participate in the school's Appellate Advocacy Program, which is administered by a student moot court board under the general supervision of the faculty. The top 16 students in the Fall Appellate Advocacy II Competition are invited to participate in the Ellison Moot Court Competition, which provides the means for selection of students to represent the school in national appellate advocacy competitions. Membership on the board is open to students who participate in the Ellison Competition.

National Lawyers Guild

The National Lawyers Guild is a nationwide organization of lawyers, legal workers and law students with 96 chapters throughout the United States. It was founded in 1937 as the country's first integrated bar association. The guild is dedicated to seeking social justice, social equality and freedom to dissent to the end that human rights shall be regarded as more sacred than property interests.

Non-Traditional Law Students Association

The Non-Traditional Law Students' Organization coordinates social and mutual-support events and initiates discussions with academic and administrative staff members who may be able to assist with matters unique to these individuals whose student lives are complicated by other, "nontraditional" roles, responsibilities and concerns.

UMKC OUTLaws, LGBT Law Student Group

The group, open to all law students regardless of sexual orientation, seeks to create an environment where students participate in discussions with practioners regarding LGBT legal issues, network at bi-monthly meetings with local LGBT legal professionals, explore practice areas, and develop outreach opportunities to LGBT groups. The presence of the LGBT group raises awareness of LGBT issues at the law school and campus and promotes an opportunity for constructive dialogue regarding LGBT issues.

Public Interest Law Group

The purpose of the Public Interest Law Group at UMKC is to foster awareness by students, faculty, administrators and alumni of public-interest law through financial support, educational programs and community outreach. As a student-driven nonprofit organization, the group is dedicated to the principle that law students should be encouraged to work in the public interest and that no student or graduate who wants to work in public interest law should be unable to do so for economic reasons. The group is affiliated with the National Association for Public Interest Law and administers two primary program areas: grants for summer internships and loan repayment assistance for graduates.

Securities Club

The purpose of the Securities Club of the School of Law is to explore and inform students of career options in the field of securities law. The Securities Club endeavors to meet its objectives by sponsoring speakers and workshops providing insight into the securities industry.

Sports and Entertainment Law Society

The purpose of the Sports and Entertainment Law Society of the School of Law is to explore and inform students of career options in the field of Sports and Entertainment Law.

Student Bar Association

The SBA is a member of the Law Student Division of the American Bar Association and the governing body of the Law School. It is headed by a student board of governors, which is elected annually. The board speaks for the student body as a whole, appoints committees, provides funding for all Law School student organizations and plans some of the Law School's largest and most widely attended events.

The $1.98 Law Revue

This annual Law School theatrical production is written, produced, directed and presented by law students and faculty. It is a humorous look at the Law School, the law in general and current events. The show involves the combined talents of writers, actors, singers, stage hands, publicists, artists, makeup and costume artists and musicians. The entire law school community looks forward to the annual production.

FEE INFORMATION

Educational fees and student program/use fees are set by the University of Missouri Board of Curators. For the most current fee schedule, contact the Cashier's Office at (816) 235-**1365** or visit their Web site at http://www.umkc.edu/adminfinance/finance/cashiers.

FINANCIAL AID

For information on financial aid, contact the UMKC Financial Aid and Scholarships Office at (816) 235-**1154** or visit their Web site at http://www.sfa.umkc.edu.

URBAN MISSION

The following programs and activities are illustrative of the many ways in which the School of Law serves its urban mission.

Child and Family Services Clinic

The UMKC Child and Family Services Clinic provides legal services and representation in cases involving children under the jurisdiction of the juvenile division of the Jackson County Family court. The clinic students ordinarily represent those adults seeking to give these children a permanent, safe home: family members seeking permanent guardianship, a father seeking paternity, or an adoptive family. In some instances, the clinic students will represent juveniles themselves in delinquency cases or may act as guardians ad litem on behalf of children in a variety of cases. Working under the supervision of the clinical professor, law students investigate, research and advocate legal positions necessary to ensure safe, stable family structures for children.

Inns of UMKC

The Inns of UMKC are part of a two-tier approach by the School of Law to address our students' need for additional advice and assistance from the faculty and members of the local bar and judiciary. The program stems from an understanding that students benefit from consultation regarding matters such as the stress of law school, professionalism, the challenges presented by a career in the practice of law, course selections, bar exam preparation, summer clerkships and post-graduation employment (including judicial clerkships). Each Inn is run independently through the collaboration of one prominent member of the local bar, one member of the local judiciary and two faculty members. The grouping of students in the Inns directly corresponds to the Introduction to Law workshops and faculty members also serve as the students' advisers. The goal of the Inns of UMKC program is that these Inns will grow to serve a vital role in the education and training of future community lawyers and leaders, comparable to the roles played by the old English Inns of Court.

Kansas City Metropolitan Bar Association

The School of Law enjoys a close relationship with the Kansas City Metropolitan Bar Association. Each year, the Young Lawyers Section of the Association presents a number of educational programs of interest to law students, helping them bridge the gap between theory and practice. In addition, it hosts a beginning-of-the year picnic at which students meet area lawyers and judges, and presents an end-of-the year bar examination information session. As a result of such activities, UMKC law students have access to excellent programs, make important contacts and enjoy the collegiality of an association dedicated to the highest standards of professional integrity and skill.

Kansas City Tax Clinic

The Kansas City Tax Clinic is a project of the UMKC Graduate Tax Law Foundation, with support from the UMKC School of Law. Planning for the clinic, which is housed in the law building, started back in 1996, with many faculty, staff, alumni and tax practitioners making contributions and giving generously of their time and effort to make the Kansas City Tax Clinic a reality.

The Kansas City Tax Clinic began serving clients in the fall of 1999. UMKC School of Law students in the LL.M. in Taxation program, the combined J.D./LL.M. in Taxation program, or other students with the permission of the director of the tax program, represent clients of limited means in tax controversy matters under the supervision of the director and volunteer tax practitioners. The clinic has been awarded Internal Revenue Service grants to assist low-income taxpayers with appeals.

Law Practice

Pursuant to Missouri Supreme Court Rule 13, a student who has completed legal studies amounting to one-half of the credits required for graduation and who is in good standing and of good character, fitness and moral qualification to practice law may appear in courts or before administrative tribunals in Missouri on behalf of an indigent

person, if accompanied by a supervising attorney. The student may perform other legal work, such as preparation of pleadings and briefs on behalf of an indigent, so long as the work is done under the guidance of an attorney. An eligible student also may appear in any matter on behalf of the state with the written approval of a supervising lawyer. Similar opportunities for student practice are available under Kansas Supreme Court Rule 709. Additionally, similar skills experience is possible in the Federal Government.

Midwestern Innocence Project

The Midwestern Innocence Project provides pro bono investigative and legal assistance to prisoners with persuasive actual innocence claims. Students learn legal and investigative strategies through Wrongful Convictions and the Innocence Project Clinic. In Wrongful Convictions, students learn the causes of wrongful convictions and the ways to raise successful innocence claims in both state and federal courts. The Innocence Project Clinic provides students hands on work with cases receiving transcripts, state records, and case documents in addition to the briefs and opinion in the case. Students report on the likelihood that an inmate is innocent and the strategies available for pursuing the claim of innocence.

Public Interest Litigation Clinic

The PILC is an independent non-profit legal services organization that represents innocent prisoners and prisoners facing the death penalty across the United States. The Clinic's cases include all stages of criminal litigation, including trial, appeal, post-conviction, habeas corpus, certiorari and executive clemency proceedings. The School's Death Penalty Clinic and the "Problems and Issues in the Death Penalty" course are taught in conjunction with the PILC, and the center's staff provides valuable opportunities for the students in those classes.

UMKC Entrepreneurial Legal Services Clinic

Initially funded by the KauffmanCenter for Entrepreneurial Leadership, students participating in the UMKC Entrepreneurial Legal Services Clinic, working under the supervision of licensed attorneys, assist a wide variety of owners of new and existing small businesses who do not have, or cannot afford, the market price for professional assistance. Each Fall and Spring semester, up to 15 students who have taken certain courses (Business Organizations and Federal Taxation are required, and Business Planning or other business or tax law education or experience preferred) are selected for enrollment in the clinic.

The clinic is located in the UMKC Institute for Entrepreneurship & Innovation building, at 4747 Troost. Students gain "hands-on" practical experience, under the supervision of experienced faculty who are licensed attorneys, by creating clients' business entites (such as limited liability companies and corporations) and drafting documents such as operating and partnership agreements, employment contracts and non-competition contracts. Students may enroll in the clinic in the fall or spring semesters.

Master of Laws Degree

MASTER OF LAWS DEGREE

- Admissions
- Non-Degree Candidates
- Master of Laws Degree Requirements
  - Combined J.D./LL.M. Degree Programs
  - Curriculum, Master of Laws (Taxation)
  - Curriculum, Master of Laws (General)
  - Curriculum, Master of Laws (General) with Estate Planning Concentration
  - Curriculum, Master of Laws (Urban Affairs)
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ADMISSIONS

Eligibility for the LL.M. Program

The School of Law offers three graduate study programs in law leading to the master of laws degree: the LL.M. (taxation); the LL.M. (urban affairs); and the LL.M. (general). In addition, as part of the LL.M. (general) program, an estate planning concentration is available to qualified applicants. Admission is limited to applicants who have attained the juris doctor or equivalent degree from an approved law school and who have a law school GPA of at least 2.7 on a 4.0 scale.

The School of Law also offers a master of laws degree program for foreign students. Eligibility criteria, admissions process, degree requirements, curriculum and other pertinent information specific to this program is detailed separately in this catalog. See, "Master of Laws Degree for Foreign Students."

Admissions Process

An LL.M. admission application, application fee and official law school and undergraduate transcripts must be submitted for admission. There is no formal application deadline, but early submission of applications is recommended.

NON-DEGREE CANDIDATES

Post-J.D. study may be undertaken on a non-LL.M. basis. Applicants who wish to obtain an LL.M. degree but who do not have the required grade-point average may be permitted to enroll as a non-degree candidate. They may be considered for later admission to the degree program on the basis of performance in courses taken as a non-degree candidate.

MASTER OF LAWS DEGREE REQUIREMENTS

1. Completion of 24 credit hours, 18 of which must be taken from the list of required and elective courses provided for each program.
2. A cumulative GPA of at least 3.0 (2.7 for the LL.M. [Taxation] and the LL.M. [General] with Estate Planning Concentration]). See the Administrative Rules and Regulations section that follows.
3. Completion of all required courses. See the "Required Courses" for each program.
4. Enrollment in a minimum of four credit hours each semester.
5. Successful completion of all coursework (including thesis, if applicable) within three years from the beginning of the course of studies leading toward the degree.

Upon enrollment in the graduate program, a student is assigned a faculty adviser. In consultation with the adviser, the student develops a plan of study that meets the requirements for the degree in the program area selected. The adviser must approve enrollment in all courses.

ADMINISTRATIVE RULES AND REGULATIONS

Attendance, Examinations and Grades, and Withdrawal from Courses

The administrative rules and regulations set forth for the juris doctor degree program covering these matters also apply to the master of laws degree programs.

Scholastic Probation and Dismissal

A student will be placed on scholastic probation whenever the student's GPA falls below 3.0 (2.7 for the LL.M. [Taxation] degree and LL.M. [General] with Estate Planning Concentration degree). A student on probation must attain an overall 3.0 GPA (2.7 for the LL.M. in [Taxation] and LL.M. [General] with Estate Planning Concentration) by the end of the next semester of coursework, or, unless an exception is made by the Graduate Studies Committee, the student will be dismissed from the program for academic deficiency.

FEE INFORMATION

Educational fees and student program/use fees are set by the University of Missouri Board of Curators. For the most current fee schedule, contact the Cashier's Office at (816) 235-**1365** or visit their Web site at http://www.umkc.edu/adminfinance/finance/cashiers .

FINANCIAL AID

For information on financial aid, contact the UMKC Financial Aid and Scholarships Office at (816) 235-**1154** or visit their Web site at http://www.umkc.edu/finaid.

SCHOLARSHIPS

Arthur Mag Graduate Law Fellowship

In recognition of Arthur Mag's service to the University of Kansas City and UMKC, the Edward F. Swinney Trust has provided a grant for the establishment of Arthur Mag graduate fellowships to support full-time graduate study at UMKC. Arthur Mag Fellows work closely with distinguished professors in their graduate degree programs. These professors serve as mentors throughout the fellows' graduate work.

One of these fellowships is designated for the School of Law, and is provided each year to an outstanding student in the School of Law's LL.M. program.

The *Arthur Mag Graduate Fellowship in Law* includes a stipend of $10,500 for the 2006-2007 academic year; remission on non-resident fees, if applicable; and remission of 18 hours of graduate law educational fees, for a total possible compensation of nearly $28,000.

Applicants must be U.S. citizens who are planning to pursue the graduate program on a full-time basis.

More information, including a "generic" application form that may be copied and used and a faculty recommendation form, may be obtained/downloaded from the School of Graduate Studies Web site at: http://sgs.umkc.edu/financial.asp#arthur.

John B. Gage Memorial Fellowships

Fellowship awards are provided annually to outstanding students entering as full-time LL.M. degree candidates from a fund endowed by friends of alumnus John B. Gage, a teacher of law, former mayor of Kansas City and eminent lawyer.

Minority Graduate Student Fellowships

The UMKC School of Graduate Studies annually awards up to three Minority Graduate Fellowships of $600 each, applicable to the student's graduate educational fees. The fellowship is renewable for one additional year provided the student maintains a 3.0 grade-point average and the law school certifies that the student is in good standing and making normal progress toward the degree. Those eligible for nomination for these fellowships at the law school include blacks, Hispanics, Native Americans and Asian Americans who are degree-seeking LL.M. students admitted or enrolled at UMKC for the ensuing academic year and who are U.S. citizens. Fellows must maintain a minimum enrollment of six credit hours per semester.

UMKC Graduate Tax Law Foundation Scholarship

The Graduate Tax Law Foundation provides a periodic cash award to outstanding LL.M. (Taxation) students and outstanding J.D. tax students.

ELIGIBILITY FOR THE LL.M. PROGRAM

MASTER OF LAWS DEGREE FOR FOREIGN STUDENTS

The School of Law offers a graduate program for foreign law students leading to the master of laws (LL.M.) degree. Admission generally is limited to applicants who have a College degree in law from a recognized school. There is no minimum GPA required for admission, but applicants' academic ability will be considered, and applicants must have demonstrated English proficiency, which will be evaluated by an interview and through test scores. The LSAT is not required, but students should take either the Test of English as a Foreign Language (TOEFL) or the International English Language Testing System (IELTS) exam. Successful applicants typically have a minimum TOEFL score of 550 on the paper exam, or 80 on the Internet version, or a minimum IELTS score of 5.5) . The required interview, however, is an important component of evaluation, and not all students with scores in the low range will be admitted. In some cases, the law school may require additional English study at UMKC prior to the start of the LL.M. program as a condition of admission.

ADMISSIONS PROCESS

A Foreign LL.M. admission packet consists of the following:

- The Foreign LLM application form;
- The application fee;
- An autobiographical essay or personal statement
- Official academic credentials for undergraduate and, if applicable, graduate study (transcripts and, if applicable, degree certificates), including literal English translations of academic credentials if the official credentials are not in English;
- An official TOEFL or IELTS score report;
- An original or certified copy of a financial statement proving financial ability, including a notarized letter of support explaining the relationship to the applicant and pledging financial support if funding is from a family member or sponsor (non-English documents must be accompanied by an English translation)
- One signed letter of recommendation;
- A copy of the biographical information/photo page from your passport (this can be supplied later if you do not have a passport)

There is no formal application deadline, but applications should be submitted by April 1 for optimal consideration. Applications are reviewed once the file is complete, and admission is available so long as there are seats available in the incoming class.

In addition to the admissions packet, applicants must have an interview with the Director of the program, the Associate Dean for International Programs, or a designee of one of them. Interviews in person are preferred, but can also be conducted by telephone. Information on arranging the interview is available on the website of the program:

http://www1.law.umkc.edu/academic/china/LLM/overview.htm

FOREIGN MASTER OF LAWS DEGREE REQUIREMENTS

1. Completion of three required courses with grades of pass or better: Introduction to Law and Lawyering – International (3 credit hours), Introduction to American Law and Culture (2 credit hours), and Introduction to American Legal Skills (2 credit hours).

2. Completion of an additional 17 credit hours from courses approved by the Foreign LL.M. advisor with grades of pass or better.

3. Successful completion of all coursework within three years from the beginning of the course of studies leading toward the degree.

Upon enrollment in the graduate program, a student is assigned a faculty adviser. In consultation with the adviser, the student develops a plan of study that meets the requirements for the degree in the program area selected. The adviser must approve enrollment in all courses.

CURRICULUM

FOREIGN MASTER OF LAWS DEGREE

Beyond the required courses, students work with their advisor to select courses suitable to their plan of study. Most students take a variety of courses that provide exposure to U.S. law and a foundation for preparing for a bar examination in a U.S. jurisdiction. However, some students may specialize in a particular field, such as one of the School's Emphasis areas (Business & Entrepreneurial Law; Litigation; Urban, Land Use & Environmental Law; Child and Family Law) or in another area with significant course offerings (such as International Law or IP). Unlike some LL.M. programs for foreign students, the students in UMKC's program have access to J.D. courses, and have the opportunity to interact with J.D. students.

ATTENDANCE, EXAMINATIONS AND WITHDRAWAL FROM COURSES

FOREIGN MASTER OF LAWS DEGREE

The administrative rules and regulations set forth for the juris doctor degree program covering these matters also apply to the master of laws degree programs.

GRADING

FOREIGN MASTER OF LAWS DEGREE

The grading scale is as follows:

A (including + and -)

B (including + and -)

C (including + and -)

Pass

Not Pass

The A, B, C grades are given consistent with standards for juris doctor students, and if a foreign LL.M. student a student achieves this level of grade, he or she may transfer the credit to the juris doctor program. A "pass" grade signifies that the student has not performed to the level required of a juris doctor student, but that the student has demonstrated basic competency on course objectives as those objective relate to the foreign LL.M. program. If the student earns a grade of "pass" the student receives LL.M. credit, but cannot transfer the credit to the JD program. A "not pass" indicates that the student did not demonstrate basic competency on course objectives, and that course does not count towards fulfilling the graduation requirements for the LL.M. degree.

Accommodation of LL.M. students. A professor in his or her discretion may allow additional work beyond that assigned generally in the course to allow a foreign LL.M. student to achieve a "pass" grade. The professor should indicate at the beginning of the course whether he or she will allow additional work, and what conditions or standards may apply. Supplemental work is to be decided upon by the faculty member. Examples include a paper, re-taking of an exam, an oral examination, field observations and reports.

SCHOLARSHIPS

FOREIGN MASTER OF LAWS DEGREE

The law school offers several partial tuition scholarships (valued at more than $12,000) and one full tuition scholarship. To be considered for a scholarship, the applicant must have a complete application and must fill out the scholarship application form, which is available at the website of the foreign LL.M. program: http://www1.law.umkc.edu/academic/china/LLM/overview.htm

ADDITIONAL INFORMATION

FOREIGN MASTER OF LAWS DEGREE

Additional information about the program, including forms, pictures, and video interviews of students, is available at the website of the foreign LL.M. program:

http://www1.law.umkc.edu/academic/china/LLM/overview.htm

Medicine, School of

SCHOOL OF MEDICINE

Hospital Hill Campus
2411 Holmes Street
(816) 235-**1808**
Fax: (816) 235-**5277**
medicine@umkc.edu

http://www.med.umkc.edu/
http://research.med.umkc.edu/

Mailing Address
University of Missouri-Kansas City
School of Medicine
2411 Holmes Street
Kansas City, MO 64108-2792

Dean:
Betty M. Drees, M.D., F.A.C.P.
Provost for the Health Sciences, Emeritus:
E. Grey Dimond, M.D.
Senior Associate Dean:
Paul Cuddy, Pharm.D. (Academic Affairs)
Associate Deans:
Louise M. Arnold, Ph.D. (Research in Medical Education and Director, Office of Medical Education and Research)
Paul Cuddy, Pharm.D. (Council on Curriculum)
Diana Dark, M.D. (Saint Luke's Hospital Programs)
Rob Hornstra, M.D. (Western Missouri Mental Health Center)
Kevin Kelly, M.D. (Children's Mercy Hospital Programs)
Jill A. Moormeier, M.D., M.P.H. (Graduate Medical Education)
Brenda Rogers, M.D. (Student Affairs)
Reaner G. Shannon, Ph.D. (Office of Cultural Enhancement & Diversity)
Mark T. Steele, M.D. (Truman Medical Center)
Chairs
David Wooldridge, M.D. (Council of Docents)
John Foxworth, Pharm.D. - (Faculty Council)
Assistant Deans
Steven Go, M.D. (Medical Education)
Christine Sullivan, M.D. Interim (Council on Selection)
Bob I. Yang, Ph.D. (Council on Evaluation)
Rose Zwerenz, M.D. (Truman Medical Center Lakewood Programs)

- History
- Philosophy

- Student Learning Outcomes
- Admissions Requirements
  - Application Fee and Timetable for Applying
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- Master of Science in Anesthesia Program
- Master of Science in Bioinformatics Program

MASTER OF SCIENCE IN ANESTHESIA PROGRAM

The Master of Science in Anesthesia Program will graduate highly skilled and competent anesthesiologist assistants (AAs). AA's are physician extenders licensed to work as anesthetists under the supervision of anesthesiologists. AAs provide various anesthesia services in hospitals, surgery centers, and other health care environments.

The application deadline for the January 2009 matriculating class is August 1, 2008. Additional information regarding the 27 month program and the AA profession may obtained at the programs website: www.med.umkc.edu/msa .

History

HISTORY

The University of Missouri opened a medical school on the UMKC campus in 1971. Using an alternative approach to medical education from that of the traditional four-year school, the School of Medicine has as its primary mission the training of physicians able to meet the health-care needs of Missouri and the nation.

The approach used at this school is to grant admission to medical school directly from high school in a curriculum spread over six or more calendar years. By providing students with early and continuous patient-care experience, the curriculum fully integrates the teaching of liberal arts/humanities, basic sciences and clinical medicine. The environment for learning created at this institution de-emphasizes competition and encourages learning through close faculty-student interaction and student partnerships.

All medical schools are reviewed and accredited by the Liaison Committee on Medical Education, a national body representing the Association of American Medical Colleges and the American Medical Association. The academic philosophy and plan have been endorsed by this committee, and the school is fully accredited.

Philosophy

PHILOSOPHY

The fundamental purpose of medical schools is to educate physicians. The prime objective of all professionals, physicians included, is to apply a sophisticated body of knowledge and skills to the solution of problems faced by people. In doing so, the individual will follow standards of the profession for competence, ethics and communication and will demonstrate commitment to the principles of professionalism - altruism, humanism, excellence and accountability.

The school does not separate the several obligations of a medical school: to educate the student, the house officer and the physician; to attract new talent to the health-care field and to ensure that talent remain active and prepared; to maintain maximum standards of ethics and care; to have concern equally for the individual and for the community; and to foster inquiry, to find answers and to apply those answers.

Student Learning Outcomes

STUDENT LEARNING OUTCOMES

Years 1-2

Effective Communication

- The student demonstrates competence in written communications such as laboratory reports, term papers and other classroom writing assignments.
- The student demonstrates competence in oral communications in a one-on-one setting, such as introducing and beginning a history with an individual patient. History-taking skills at this level will be very basic and straightforward.
- The student demonstrates effective listening skills with faculty members, other students and patients.

Clinical Skills

- The student is able to perform the basic elements of a history. The student will have observed a physical examination and observed some of the routine clinical procedures.

Using Basic Science in the Practice of Medicine

- The student has an introductory and very general understanding of anatomy and microbiology.
- The student has a more advanced understanding and an ability to apply some information to a few clinical situations in biochemistry and physiology.

Diagnosis, Management and Prevention

- The student has an introductory understanding of principles of diagnosis, management and prevention.
- The student is able to identify general, rather than specific approaches to management, but is usually not expected to carry them out in real settings.

Lifelong Learning in Medicine, Basic Sciences, the Social Sciences and the Humanities

- The student is proficient in framing a question, utilizing modern information searching modalities, organizing data, compiling and using information to answer the question in the context of a structured setting, such as an undergraduate course.
- The student has an introductory knowledge of the humanities and social science. Enough information is learned at this level to stimulate the student to desire further

learning in medicine, humanities and social sciences.

Self-awareness, Self-care, Personal Growth and Professional Behavior

- The student exhibits behaviors indicative of personal self-awareness through a process of self reflection. Students are able to identify potential areas of weakness and are able to conceive of potential options for addressing these areas.
- The student is able to identify areas of strength and is able to build on these strengths.
- The student is able to set goals for a self-study plan.
- The student is aware of his/her personal growth in regards to age specific developmental tasks.
- The student knows the elements of professional behavior and can explain the meaning of each element.
- The student can cite an example of how each of the elements applies in Year 1 and Year 2 coursework for the baccalaureate and M.D. degree.
- The student shows courteous regard for other students and faculty and acknowledges the views of others. The student shows courteous regard for his/her mentor on aging and for the patients they meet in their docent group experiences. The student interacts with patients they meet in their docent group experiences in an appropriately compassionate fashion. The student expresses empathy for his/her mentor on aging as appropriate.
- The student puts the legitimate needs of his/her mentor on aging, patients, docent group members and study group members first before his/her own needs.
- The student demonstrates academic honesty in all aspects of his/her coursework for the baccalaureate-M.D. degree.
- The student carries through on assignments and other responsibilities; arrives promptly for meetings or classes; accepts personal responsibility for group projects; and completes course evaluations in a timely and thoughtful fashion.
- The student searches out opportunities to learn and tries to excel in their coursework.

Diversity and the Social and Community Contexts of Health Care

- The student appreciates some of the non-biological factors that influence health, disease, disability and access to care.
- The student attributes proper importance to identifying non-biological factors.
- The student is aware of different value systems and life styles.

Moral Reasoning and Ethical Judgment

- The student can identify and apply ethical considerations relating to professional behavior and student conduct as a forerunner to professional behavior.
- The student develops an introductory understanding of ethical choices related to a few controversial medical issues.

Problem-Solving Skills

- The student displays competence in basic problem-solving skills as applied to basic science courses or simple, straightforward medical problems.

Years 3-4

Effective Communication

- The student develops and demonstrates competency in using the written language effectively by:
  - Medical record documentation in the continuing care clinic and on docent rotation.
  - Writing papers for courses and rotations.
  - Essay examinations in medical ethics.
- The student develops and demonstrates competency in using oral language and listening effectively by:
  - Communicating with patients and families in the continuing care clinic and on docent rotation.
  - Communicating with senior partners, peers and faculty.
  - Functioning as an effective junior partner.

Clinical Skills

- The student is able to perform a comprehensive history and physical examination of patients in the outpatient setting and the general medical wards, excluding critical care settings.
- The student is competent in performing venipuncture and basic CPR.
- The student is able to perform a gram-stain, vaginal smear wet prep, stool occult blood, urinalysis, urine pregnancy test, finger stick glucose determination and peak expiratory flow rate.
- The student has observed and is familiar with some of the more complex or specialized lab and diagnostic tests.
- The student knows the basics in the interpretation of plain x-ray studies; chest x-ray, abdominal x-ray.

Using Basic Science in the Practice of Medicine

- The student applies knowledge in the areas of behavioral science, anatomy, pathology, biochemistry, physiology, microbiology and immunology, and pharmacology to the overall care of patients.

Diagnosis, Management, Continuing Care and Prevention

- The student is able to interpret standard diagnostic studies and history and physical examination data. From these data, the student is able to state the most likely diagnosis when presented with straightforward presentations of common problems in general internal medicine. The student is expected to carry out management plans in those situations that are relatively straightforward and uncomplicated.

Lifelong Learning in Medicine, Basic Sciences, the Social Sciences and the Humanities

- The student is able to do a computerized literature search as it applies to patient problems.
- The student is able to comprehend the medical literature and understand basic statistics and the scientific method.
- The student is continually motivated by an awareness of the limits of his/her personal knowledge and experience.

Self-awareness, Self-care, Personal Growth and Professional Behavior

- The student is reflective about him or herself in a group context.
- He or she is able to confront his/her own values as they relate to the practice of medicine.
- The student is able to identify real situations of stress and his/her response to these situations.
- The student is able to practice personal techniques for relaxation and time management and can modify behavior and respond to constructive criticism.
- The student is able to identify learning needs, plan a program to meet those needs and determine how well they have met them and what further learning issues they need to address.

Diversity and the Social and Community Contexts of Health Care

- The student elicits and identifies non-biological factors as part of the routine history taking and includes those issues, as appropriate, in the problem list formulations and management plans.
- The student takes personal responsibility for discussing these issues with patients, assessing their needs and matching them to appropriate community resources.
- The student works with his/her individual patients and families to enhance their total well-being.

Moral Reasoning and Ethical Judgment

- The student is able to employ ethical concepts and reasoning when presented with typical ethical cases in medicine, and is able to recognize ethical issues in medical practice.

Problem-Solving Skills

- The student displays competence in problem-solving skills with common clinical problems utilizing a limited knowledge base.

Years 5-6

Effective Communication

- The student develops and demonstrates competency in using the written language effectively by:
  - medical record documentation on clinical rotations.
  - preparing written patient education material.
  - writing clinical papers.
  - journals, short stories, papers or poetry during medical humanities and social science courses.
- The student develops and demonstrates competency in using oral language and listening effectively by:
  - communicating with patients and families in the continuing care clinic and clinical rotations.

    - presenting new patients to faculty in continuing care clinic and clinical rotations.
    - delivering lectures on clinical rotations utilizing slides and handouts.
    - communicating with student partners, peers, faculty and the health care providers.
    - oral examinations.
- The student develops and demonstrates competency in respecting patients and sharing information effectively with patients, families and health care team members by:
    - interacting with the individuals on clinical rotations and the continuing care clinic.
    - working as an integral part of the docent team and teams on other clinical rotations.
    - functioning as an effective senior student partner.

Clinical Skills

- The student is able to perform the basic and emergency elements of a history and physical examination smoothly and efficiently in the outpatient setting, inpatient setting, critical care setting and emergency department settings.
- The student is able to perform and interpret basic clinical procedures, laboratory and diagnostic tests smoothly and efficiently as listed.
- The student is able to describe the procedural steps necessary to carry out advanced clinical procedures as listed.
- The student observes and is able to state the indications, complications, and limitations of advanced clinical procedures as listed.
- The student is aware of the indications, complications and limitations of and interpret from the written reports complex and specialized laboratory and diagnostic tests as listed.

Using Basic Science in the Practice of Medicine

- The student is able to explain a multi-system health problem in terms of pathogenesis, mechanisms of system-to-system interactions and potential complications. The student is able to present therapeutic goals and interventions aimed at the multiple pathophysiological forces in motion.
- The student is able to exhibit clinical decision analysis that weighs the pros and cons of proposed interventions, taking into consideration such factors as drug-drug interactions and the trade-off of proposed drug interventions in the context of multi-system problems.

Diagnosis, Management, and Prevention

- The student is able to state the most likely diagnosis and management plan when presented with presentations of common problems in any of the major disciplines.
- The student is able to integrate the approach of care to individuals, families and communities, taking advantage of opportunities for prevention and education in addition to the immediate physical care.
- The student through his/her experiences in the continuing care clinic is able to provide continuing care and management for both chronic and acute medical problems and provide appropriate plans for prevention.

Lifelong Learning in Medicine, Basic Sciences, the Social Sciences and the Humanities

- The student begins to explore new opportunities for intellectual growth and professional enlightenment in medicine, the social sciences and humanities.
- The student attends a continuing medical education course.
- The student continues to recognize his/her limits of knowledge and experience.
- The student is able to recognize the significance of valid scientific discoveries reported in medical journals and recognize unsubstantiated, inaccurate or poorly performed studies and conclusions.

Self-awareness, Self-care, Personal Growth and Professional Behavior

- The student utilizes skill in coping with stress during clinical rotations.
- The student develops and demonstrates appropriate personal values and beliefs relevant to his/her practice of medicine.
- The student demonstrates compassion, sensitivity, honesty, integrity, dependability and responsibility in his/her day-to-day interactions with patients, families, peers, faculty and staff.

Diversity and the Social and Community Contexts of Health Care

- The student is able to identify and propose solutions for non-biological factors that influence health, disease, disability and access to care.
- The student is able to utilize resources in the community that may provide assistance to his or her patients.
- The student is an advocate for better health for the patients and the community.
- The student demonstrates knowledge of practice management, utilization review, quality improvement and economic and cultural issues in health care.

Moral Reasoning and Ethical Judgment

- The student is able to identify patient care and health policy ethical issues and choices in his or her own clinical experience; to evaluate critically alternative ethical courses of action by analyzing and articulating reasons for the relative importance of the different ethical considerations bearing on each choice; to select and ethically defend a course of action.
- The student recognizes the importance of the ethical treatment of research subjects and the functions of an Institutional Review Board.

Problem Solving

- The student displays competence in more advanced clinical problem solving using a comprehensive knowledge base.
- The student can effectively utilize a team approach in solving clinical problems.

Admission Requirements

ADMISSION REQUIREMENTS

In combination with the College of Arts and Sciences and the School of Biological Sciences, the School of Medicine offers a six-year program leading to baccalaureate and doctor of medicine degrees. The student is required to complete both degrees. The program is designed primarily for high school seniors who are entering college, but prospective students with no more than 24 semester hours of post high school college credit can be considered for admission. The curriculum is scheduled for 35 weeks in the first year and 48 weeks in each of the remaining five years.

Applicants for admission to the year 1 level of the combined program must meet the freshman admission requirements of the University. Applicants to Year 1 must take the American College Test (ACT), including the ACT. (Applicants from outside Missouri may submit SAT rather than ACT).

The mailing address for information on application to the six-year combined program:

Admissions Office/Enrollment Services
120 Administrative Center
5100 Rockhill Road
Kansas City, MO 64110-2499

The actual location for the Administrative Center is 5115 Oak Street.

High school students wishing to enter this program should recognize that many other well-qualified high school students with strong science backgrounds also will be applying.

A student admitted to the combined program at UMKC is expected to meet the following admission requirements (one unit equals one year in class):

- Four units of English.
- Four units of mathematics.
- Three units of science, including one unit of biology and one unit of chemistry.
- Three units of social studies.
- One unit of fine arts.
- Two units of foreign language.

In addition, one-half unit of computer science is highly recommended. Students whose high school does not offer biology, chemistry, foreign language or computer science are encouraged to contact the Council on Selection at the School of Medicine.

A limited number of positions are available for students who have completed their baccalaureate degree. For admission requirements for entrance as an M.D.-only student, refer to the medical school website: www.med.umkc.edu.

An alternative path is available for extended study.

Because this is a state-assisted university, primary consideration is given to Missouri residents. However, students from outside Missouri are also accepted.

Criminal background checks will be performed on combined-degree students and M.D.-only students before matriculation into the program.

Application Fee and Timetable for Applying

A $35 application fee is required of all resident applicants. A $50 application fee is required of all regional and nonresident applicants. Completed application materials will be accepted during the following period:

- Earliest date - Aug. 1 of the year preceding the fall semester for which applying.
- Latest date - Nov. 1 of the year preceding the fall semester for which applying.

(Applicants are urged to apply as soon after Aug. 1 as possible.)

Estimated Yearly Expenses

ESTIMATED YEARLY EXPENSES

Fees	Years 1-2	Years 3-6
Resident	$24,779	$28,724
Regional	$36,585	$42,462
Non-Resident	$48,389	$56,194
Room & Board	$8,096	$9,756
Books and Supplies	$1,200	$1,200
Medical Instruments (a one-time expense)		$550

A regional tuition rate is applied for newly admitted students from Kansas, Oklahoma, Nebraska, Arkansas and Illinois at 1.5 times the resident rate. Students from other states will be assessed at 2 times the resident rate.

All statements as to educational fees and other expenses are by way of announcement only for the school years covered by this catalog and are not to be regarded as offers to contract on the basis of those statements, inasmuch as the University expressly reserves the right to change any and all fees and other charges at any time, without any notice being given in advance of such change.

Library and Information Services

LIBRARY AND INFORMATION SERVICES

Information services, including periodicals, computer literature searching and a full range of innovative reference services, are available through the **Health Sciences Library**. For more information, see the section on Library Services.

Medical Education Media Center

The MedicalEducationMediaCenter is a learning resources facility that offers over 3,000 anatomical and physical exam models, audiovisual programs and instructional software. Collection development is primarily in support of the School of Medicine curriculum for classroom instruction and self-study. However, additional services provide a collection of audiovisual CME, USMLE study/review titles and a subscription to the online testing bank Exam Master. Exam Master provides over 17,000 board type questions for USMLE Steps 1-3 and medical specialty boards (UMKC SOM user ID/password required).

The facility offers a computer lab with Internet access, open tables for model usage and an audiovisual viewing room equip with DVD and video players for small groups. Our quarterly newsletter, “MultiMedia Memo,” may be found at:
www.med.umkc.edu/news/
For access to our online catalog, Exam Master or general information, go to our web site:
www.umkc.edu/medicine/mediacenter .

Location: UMKCSchool of Medicine, 2nd floor, room M2-C04A Phone: 816-235-1832; 816-235-1864 Hours: Monday – Friday, 8:00 a.m. to 8 p.m.

Information Services

Information Services are maintained by the department of Evaluation and Computer Resources (ECR).

Evaluation and Computer Resources provides all computer-related support for all Faculty/Staff/Students within the School of Medicine.

In addition to providing support and many other services, it also maintains computer resources for student use which are accessible 24/7 in the building, with additions to follow in the future.

Current resources include:

38 - Dell/Windows XP workstations that are found in all Student Unit areas on the 4th/5th floors. Each of the 8 Student Unit areas also incorporates a conference room workstation with a large monitor setup for presentations, etc.

18 - Dell/Windows XP workstations located in the Technical Learning Center (TLC) on the 3rd floor.
Note: Use of lab is currently by reservation only.

3 - Apple iMac/Windows XP Kiosk workstations located in the main lobby on the 1st floor.

2 - Dell/Windows XP Kiosk workstations located in the Canteen/Vending area on the 1st floor.

2 - Dell/Windows XP Kiosk workstations located outside the Health Sciences Library on the 2nd floor.

2 - Dell/Windows XP Kiosk workstations located next to the Truman Medical Center entrance on the 4th floor.

The School of Medicine also incorporates a secured, wireless network that virtually covers the entire building. Additionally, much of the UMKC Volker and Hospital Hill campus buildings have additional wireless access coverage areas for your convenience. For more information on wireless locations and details, please visit: **www.umkc.edu/medicine/wireless** .

More information on School of Medicine computer-related resources, as well as other informative technology information, is available at: **www.umkc.edu/medicine/techguide .**

Student Services

Student Services

The School of Medicine's Office of Student Affairs coordinates a variety of support services that are available to all medical students. These include counseling, financial aid, student organizations and activities.

The Office of Student Affairs also provides career information to students and assistance in applying for postgraduate residency training programs.

The Council on Selection; the Minority Recruitment and Retention Committee; the associate dean for cultural diversity and minority programs; the associate dean of the Office of Medical Education and Research; and the assistant dean for student affairs work together in recruitment and retention of students, including minority students.

Students enrolled in the combined baccalaureate/medical degree program may participate fully in the services and activities provided to all UMKC students through the Office of the Vice Chancellor for Student Affairs.

The Office of Student Life, located in the University Center, coordinates the cultural, social and recreational programs of the campus. Also located on the Volker campus are the Center for Academic Development; the Women's Center; the Counseling, Health and Testing Center; and Career Services.

Academic Support Services

The School of Medicine provides academic support to all its students. The curriculum provides challenging coursework, and students should explore all opportunities for alternative study methods. Students have the responsibility to become life-long learners and to meet their own and the school's learning goals. The following services are offered:

Support for Basic Science Courses

During the first years the students take several basic science courses. Lecturers in the school of medicine provide several support sessions and open office-hours during the week as well as individual appointments for students to attain their learning goals. For many classes the school provides successful senior medical students as tutors. Tutors set meeting times and agenda according to students' needs.

Additional Assistance

Individual assistance is available to medical students through a variety of means. Students may receive individual analysis of their study techniques, including reading comprehension; time management; short- and long-term retention techniques; and test-taking abilities. Analysis of a student's basic science knowledge is available through several computer-assisted programs. If required, individual tutoring may be available to supplement the assistance offered through study-group programs. Counseling support also is available to students with personal issues that may hinder their academic performance.

United States Medical Licensing Exam Step 1 Preparation

Students preparing for Step 1 of the USMLE are offered a variety of programs to supplement their individual review of the basic sciences. These programs consist of discussion groups, interactive video review sessions, individual test-taking analysis and a Step 1 mock exam. Some of the programs are free to all students and other involve enrollment in fee-based programming. In addition to academic preparation support, resources are available to help students manage the stress related to their preparation for the exam.

Workshops

Periodically, special workshops are arranged in response to student needs and interests.

Counseling and Advising

The School of Medicine has a number of personal and academic support systems in place to assist students at all levels of the program. There are two education team coordinators with offices on the Volker campus who help the first- and second-year students in curriculum planning and who are available to counsel them on personal problems.

Each group of 10-13 students has a physician-scholar (or docent) who instructs the students in medical coursework during the first two years and who also serves as a role model and personal counselor. Additionally 10-12 Year 2 students are selected as peer mentors to the Year 1 class.

From year 3 through year 6, each student is a member of a 12-student team assigned to a docent who teaches and counsels throughout these years of the curriculum. Teams are assigned an education team coordinator to advise about course selection and personal problems in consultation with the docent. In their third and fourth years, students are partnered with older students who serve as senior partners.

Additional campus resources are available to students in the areas of counseling and support including the UMKC Counseling and Testing Center.

Medical Student Organizations, Publications and Awards

Medical Student Advisory Council

The MSAC serves as the student government body in the School of Medicine and is comprised of student-elected representatives who focus on promoting student interests,

keeping the administration informed of student opinion and organizing social activities.

Student National Medical Association

The promotion of the interests of minority students is the foundation of the SNMA. Leadership development, social awareness, service to humanity and excellence as physicians are the major objectives of this group.

American Medical Women's Association

The AMWA promotes an understanding of the individual in medicine. Its membership is open to all interested men and women. AMWA's programs include speakers on special topics, field trips, social projects and other activities of benefit to all students.

American Medical Student Association

The primary goal of AMSA is the initiation of student-organized projects for the benefit of medical students and the community on local, state and national levels. The development of hypertension clinics, presentations about venereal disease to area high schools, AIDS awareness programs and a drug-replacement program represent some of AMSA's projects in past years.

American Medical Association - Medical Student Section

Dedicated to representing medical students, improving medical education, developing leadership and promoting activism for the health of America.

Association of American Medical Colleges - Organization of Student Representatives

The OSR is the student branch of the Association of American Medical Colleges (AAMC). The OSR is charged with the representation of the undergraduate medical student body of the United States to the academic medical community.

Asian Pacific American Medical Students' Association

The goals of APAMSA are to educate all medical students about health-care needs specific to the Asian Pacific community and to address issues important to Asian Pacific American medical students.

Christian Medical/Dental Society

This group is open to students of all faiths. The organization fosters greater understanding of spiritual concerns in relationship to health and well-being.

International Federation of Medical Students' Association

IFMSA's mission is to offer physicians a comprehensive introduction to global health issues. Through programming and opportunities, it develops culturally sensitive students of medicine, intent on influencing the transnational inequalities that shape the health of our planet. IFMSA is an international federation with broad representation and close relations with medical students' associations all over the world.

Global Medicine Relief Program

GMRP's mission is to promote quality health care in under-served communities around the world by working with local doctors and health care professionals and by providing medical supplies and equipment; to provide dental, hygiene and basic health care supplies in areas of natural disaster; to promote human rights in developing regions by improving health infrastructure; to participate in a global community of organizations which are similarly dedicated to providing health care in developing regions; and to organize student groups at all educational levels in these humanitarian efforts. GMRP especially seeks to touch the lives of the most vulnerable people in any population and believes in the importance of assisting both internally and externally displaced refugees.

Publications

A monthly publication of the school, *P.R.N.*, provides information on school programs, policies and student activities and is distributed to School of Medicine students, their families and faculty. A quarterly magazine, *Panorama*, is primarily distributed to alumni, affiliated hospitals and friends of the school and is available throughout the school.

FINANCIAL AID

For the latest information on financial aid programs at UMKC see http://www.sfa.umkc.edu.

Curriculum

CURRICULUM

The fundamental objective of the School of Medicine is to graduate physicians able to meet the health care needs of Missouri and the nation.

Classes begin in the fall of year 1. By using 35 weeks of study the first year and 48 weeks every year after that, each student will have the opportunity to earn the credits necessary for both a baccalaureate and a medical degree. This six-year continuum does not make an arbitrary separation between liberal arts and professional education.

The first two years of the six-year curriculum are arranged for the student to blend three-fourths of the time in liberal arts coursework and one-fourth of the time in introduction to medicine coursework. This initial two-year period allows students adequate time to determine whether they are motivated enough to continue in medicine. At the same time, the faculty will have adequate opportunity to judge whether each student has the characteristics and capabilities necessary for a career in medicine.

The Fundamentals of Medicine Series during the first two years are designed to provide just that -- the fundamentals of medicine. Special attention is given to the effect of illness on the patient, the family and the community. There is emphasis on the coordination of effort, the team approach, to the solution of medical and health care problems. The year 1 and 2 curriculum has been further enhanced with the addition of a geriatrics program which pairs students with aging mentors. The courses will integrate patient interviews and examinations with branches of science fundamental to clinical medicine, including anatomy, physiology, biochemistry, psychology and sociology.

These courses have certain coordinated objectives, each of which represents an important component in the general concept of medicine as applied to human biology. The CORE objectives are to help students understand and learn about the following: effective communication, self-awareness/professionalism, cultural diversity, introductory physical examination and interviewing skills.

An important feature of the School of Medicine program is the early and continuing contact of the student with a team of scholars called docents. Each docent is a full-time physician responsible for the education of a small group of students. The docent serves as a role model for students as well as a guide and mentor. At year 3, students are assigned to a docent team, a group composed of students from each of year 3 through year 6 classes. Beginning in year 4, students spend two months each year on docent rotation, an internal medicine clerkship. During this time in particular, and throughout the rest of the academic year, the docents guide their students through the experiences necessary to acquire a strong foundation of clinical competence. Students in their third and fourth years are partnered with their fifth- and sixth-year peers on the docent unit.

The School of Medicine program in years 3 to 6 of the combined degree program has several features:

- The core educational program is designed and directed by physicians who are primarily concerned with medical student education and who have patient care

responsibilities;

- Since the curriculum core content is based on clinical experiences, the medical student's education will be problem-centered. Faculty from many University disciplines participate in teaching medical students, and education in the clinical sciences takes place in affiliated hospitals. These hospitals provide a communitywide model for patient care;
- The curriculum integrates liberal arts, basic sciences and clinical medicine. It uses planned repetition, reinforcement and relevancy to enable students to acquire the requisite attitudes, knowledge and skills expected of a Medical School graduate;
- Students may have an extended program by taking extra time;
- During the third through sixth years, students are required to return to the Volker campus at least two times, usually in years 3 and 4, to take liberal arts coursework. Students are also required to enroll in a medical humanities course in year 5 or year 6.

Typical Six-Year Program Curriculum

TYPICAL SIX-YEAR PROGRAM CURRICULUM

Year 1
Medicine
Fall Medical Terminology
Learning Basic Medical Sciences
Fundamentals of Medical Practice I
Spring Fundamentals of Medical Practice II

Arts & Sciences
Fall Human Biology I (Anatomy) w/Lab
General Chemistry I w/Lab
Psychology
Courses for B.A. Degree*
Spring Human Biology III (Microbiology) w/Lab
General Chemistry II w/Lab
Sociology
Courses for B.A. Degree*

Year 2
Medicine
Summer Hospital Team Experience
Fall Fundamentals of Medical Practice III
Spring Fundatmentals of Medical Practice IV

Arts & Sciences
Summer Organic Chemistry w/Lab
Cell Biology
Fall Human Biochemistry
Sociology - Life Cycles
Genetics
Courses for B.A. Degree*
Spring Structure/Function I, II, III
Courses for B.A. Degree*

Year 3
Medicine
History of Medicine
Clinical Correlations
Clinical Skills
Introduction to Pharmacology (Independent Study)
CUES
Pathology I & II
Medical Microbiology
Medical Neurosciences
Continuing Ambulatory Care Clinic

Arts & Sciences
Structure/Function IV

Year 4
Medicine
Pharmacology
Behavioral Sciences in Medicine
Docent Rotation
Family Practice
Ambulatory Care Pharmacology (Indep Study)
Continuing Ambulatory Care Clinic

Arts & Sciences
Courses for B.A. Degree (One semester required)

Year 5
Medicine
Psychiatry
Prescribing for Special Populations (Indep Study)
Obstetrics/Gynecology
Pediatrics
Family Medicine Preceptorship
Surgery
Elective
Docent Rotation
Emergency Medicine(may be taken in Year 6)

Arts and Sciences
Humanities/Social Sciences (may be taken in Year 6)

Year 6
Medicine

Docent Rotation
Emergency Medicine(may be taken in Year 5)
Rational & Safe Drug Prescribing (Indep Study)
Electives
Continuing Ambulatory Care Clinic

Arts & Sciences
Humanities/Social Sciences (may be taken in Year 5)

All students are required to take three clinical electives, one of which must be direct patient care.

Requirements for Graduation

REQUIREMENTS FOR GRADUATION

Graduation Requirements for students in the Combined Baccalaureate/MD Program:

1. Minimum of 90 credit hours from the College of Arts and Sciences acceptable to the School of Medicine.
2. Three returns back to the College of Arts and Sciences.
3. Satisfactory completion, certified by the UMKC registrar, of requirements for the baccalaureate degree.
4. Satisfactory completion of all required medical curriculum.
5. Cumulative GPA of 2.7 to 4.0.
6. 38 months medical curriculum credit.
7. Passing scores on USMLE Steps 1 and 2 (Clinical Knowledge and Clinical Skills).
8. 3 clinical electives which must be selected from 9 separate categories.
9. Docent certification of clinical competence.
10. 48 months of enrollment in the School of Medicine, years 3 to 6.
11. Current certification in Advanced Cardiac Life Support.
12. Evidence of adherence to the Fee Policies.
13. Evidence of Financial Aid Exit Interview.
14. Year 6 Year-End Docent Interview.

Graduation Requirements for students in the MD Program:

1. Satisfactory completion of all required medical curriculum.
2. Cumulative GPA of 2.7 to 4.0.
3. 34 months medical curriculum credit.
4. Passing scores on USMLE Steps 1 and 2 (Clinical Knowledge and Clinical Skills).
5. 3 clinical electives which must be selected from 9 separate categories.
6. Docent certification of clinical competence.
7. 48 months of enrollment in the School of Medicine.
8. Current certification in Advanced Cardiac Life Support.
9. Evidence of adherence to the Fee Policies.
10. Evidence of Financial Aid Exit Interview.
11. Year 6 Year-End Docent Interview.

Graduation Requirements for CURRENT students in the OS/MD Program:

1. Satisfactory completion of all required medical curriculum.
2. Cumulative GPA of 2.7 to 4.0.
3. 34 months medical curriculum credit.
4. Passing scores on USMLE Steps 1 and 2 (Clinical Knowledge and Clinical Skills).
5. 2 clinical electives which must be selected from 9 separate categories.
6. Docent certification of clinical competence.
7. 42 months of enrollment in the School of Medicine.
8. 18 months of enrollment in Oral Surgery through the School of Dentistry.
9. Current certification in Advanced Cardiac Life Support.
10. Passing scores on USMLE Steps 1 and 2 (Clinical Knowledge and Clinical Skills).
11. Evidence of adherence to the Fee Policies.
12. Evidence of Financial Aid Exit Interview.
13. Year 6 Year-End Docent Interview.

Graduation Requirements for students in the Advanced Standing/Transfer Program:

1. Satisfactory completion of all required medical curriculum.
2. 23 months of enrollment in the School of Medicine, years 5 and 6.
3. Passing scores on USMLE Step 2 (Clinical Knowledge and Clinical Skills).
4. 4 clinical electives, 3 of which must be selected from 9 separate categories.
5. Docent certification of clinical competence.
6. 22 months earned UMKC medical school credit plus at least 12 months earned medical school credit from another US-accredited osteopathic or allopathic school of medicine.
7. Current certification in Advanced Cardiac Life Support.
8. Evidence of adherence to the Fee Policies.
9. Evidence of Financial Aid Exit Interview.
10. Year 6 Year-End Docent Interview.

Graduation Requirements for students in the OS/MD Program (effective Summer Semester 2009):

1. Satisfactory completion of all required medical curriculum.
2. 23 months of enrollment in the School of Medicine, years 5 and 6.
3. Passing scores on USMLE Step 2 (Clinical Knowledge and Clinical Skills).
4. 3 clinical electives which must be selected from 9 separate categories.
5. Docent certification of clinical competence.
6. 22 months earned UMKC medical school credit plus 12 months of enrollment in Oral Surgery through the School of Dentistry.
7. Current certification in Advanced Cardiac Life Support.
8. Evidence of adherence to the Fee Policies.
9. Evidence of Financial Aid Exit Interview.
10. Year 6 Year-End Docent Interview.

Music and Dance, Conservatory of

CONSERVATORY OF MUSIC AND DANCE

Performing Arts Center
4949 Cherry Street
(816) 235-**2900**
conservatory@umkc.edu
http://www.umkc.edu/conservatory/

Mailing Address
University of Missouri-Kansas City
Conservatory of Music and Dance
5100 Rockhill Road
Kansas City, MO 64110-2499

Dean:
New Dean in August

Associate Dean for Academic Affairs:
TBA

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    - Organ
    - Percussion
    - Piano
    - Saxophone
    - String Bass
    - Trombone
    - Trumpet
    - Tuba
    - Viola
    - Violin
    - Voice

History

Located in Kansas City, the Conservatory provides students with the opportunity to hear and work with the Conservatory's talented artist-faculty and internationally known artists who perform in the area.

The Conservatory of Music and Dance traces its lineage to a merger of two early Kansas City conservatories, the Kansas City Conservatory of Music and the Horner Institute of Fine Arts. A second merger in 1959 joined the Conservatory with the University of Kansas City. In 1963, the private University of Kansas City became a part of the state university system as UMKC, with the Conservatory as a component college. In 2006, the Conservatory of Music celebrated its 100th anniversary and officially changed its name to the Conservatory of Music and Dance.

Accreditation

The Conservatory of Music and Dance's degree programs are accredited by the National Association of Schools of Music (1933) and the National Council for Accreditation of Teacher Education (1961).

Advising

All undergraduate and graduate students should be advised by the appropriate student services coordinator or associate dean prior to any registration. All music education or therapy students should see a faculty member in music education/therapy for advising.

Barr Institute for American Composition Studies

The UMKC Conservatory's Barr Institute for American Composition Studies was formed through the generosity of Howard and Patricia Barr for the purpose of

1. Supporting the acquisition, care, preservation, use and promotion of existing materials related to the American composition after 1890, excluding the art of jazz and its derivatives.
2. Promoting individual research initiatives related to the historical and theoretical underpinnings of post-1890 American classical music.
3. Supporting new composition efforts including commissions, theses and dissertations by composition students.
4. Supporting collaborative and interactive efforts to study new music.

Ensembles

The Conservatory offers students the opportunity to participate in a variety of ensembles that perform throughout the year. More than 20 ensembles are open by audition to all University students who qualify. The ensembles include, but are not limited to:

- Bella Voce
- Canticum Novum
- Chamber Orchestra
- Chamber Ensembles
- Conservatory Concert Choir
- Conservatory Orchestra
- Conservatory Singers
- Ensemble for Composers
- Fellowship String Quartet
- Fellowship Woodwind Quintet
- Jazz Band
- Jazz Combos
- Jazz Orchestra
- Musica Nova
- Opera Workshop
- Pep Band
- Percussion Ensemble
- Wind Ensemble
- Wind Symphony

Professional Organizations

The Conservatory sustains chapters of national professional and honor fraternities, including Sigma Alpha Iota and Mu Phi Epsilon, and the national honor society Pi Kappa Lambda.

The Conservatory maintains an affiliation with the National Federation of Music Clubs and with student chapters of MENC: The National Association for Music Education, the American Music Therapy Association, the International Association of Jazz Educators, the American Guild of Organists and the American Choral Directors Association.

Continuing Education

The Conservatory's Community Music and Dance Academy has the mission of bridging the national reputation and excellence of the UMKC Conservatory of Music and Dance with the local musical needs of the Kansas City community. The Academy currently offers private and group instruction to 600 area musicians and dancers; coordinates camps and festivals for the Kansas City area and provides professional development through workshops and in-service to area educators and therapists.

The instructors in the Community Music and Dance Academy are professional educators, therapists, musicians and dancers. Many have advanced degrees or are current graduate students or professors at the University of Missouri-Kansas City Conservatory of Music and Dance. Academy faculty have trained with professional musicians within and outside the Conservatory and regularly perform as soloists or with ensembles locally, nationally and internationally. Some have even published and recorded their work. Most are active members of professional music organizations at the local, state and national levels.

Scholarships or Special Awards

Scholarships are available to Conservatory students and are awarded on the basis of ability (demonstrated at the audition) and academic standing. Scholarships are awarded for one year but can be renewed annually, provided students maintain the appropriate grade level, continue satisfactory performance in the major performance area and participate in major ensembles as prescribed.

Applicants for Conservatory scholarships must complete all regular admissions procedures in order to be considered. Conservatory scholarship applications are included with the applicant's packet.

In accordance with the code of ethics of the National Association of Schools of Music, the acceptance of financial aid by a candidate is considered a declaration of intent to attend the institution, and each candidate will be so informed. The code further declares that such a student may not consider any other offer from an institutional member of the NASM except with the written consent of the music executive of the first institution. Similarly, a transfer applicant cannot be considered for financial aid without the written recommendation of the head of the music department from which the transfer is being made.

Graduate Programs

The Conservatory of Music and Dance offers graduate programs leading to the following degrees: master of arts in music; master of arts in music -- music therapy; master of music in music composition, conducting, musicology, music theory and performance; master of music education; and doctorate of musical arts in music composition, conducting and performance. The Conservatory participates in the Interdisciplinary Ph.D. program for students who desire music education as their coordinating discipline and education as a co-discipline. Graduate students in the Conservatory are also subject to the regulations, listed in the General Graduate Academic Regulations and Information section of this catalog.

Admission

Admission to the Conservatory of Music and Dance does not constitute an approval of major. Graduate students attending the Conservatory of Music and Dance do not have a major until divisional requirements are met and an approved planned program of study is filed.

Requirements for Admission

All students applying for admission must:

- Complete an application for admission.
- Submit transcripts of all prior work.
- Possess a minimum overall grade-point average of 3.0 for all prior coursework.
- Perform an applied audition, the purpose of which is diagnostic only, except as indicated in certain divisional standards.

Meet admission standards listed below:

- Choral Conducting
  - Master's and doctoral degrees: live interview/choral conducting students are required to audition before enrolling in applied lessons, but may be admitted without an applied audition.
- Orchestral/Wind Conducting
  - Master's and doctoral degrees: live interview/applied audition.
- Master of Arts
  - Achieve Conservatory 302 at the audition or submit area of concentration approval form.
- Music Composition
  - Master's and doctoral degrees: submit portfolio of compositions for evaluation.
- Music Education
  - Master's degree: document completion of a bachelor's degree in music education or the equivalent/have an acceptable interview with faculty from this discipline/provide evidence of musical proficiencies applicable to music education settings.
- Musicology
  - Master's degree:
    1. Possess a bachelor's degree in music.
    2. Possess a minimum grade-point average of 3.0 in undergraduate music history courses.
    3. Submit examples of writing. (The writing sample should be either 1) a research paper on some aspect of the major field - can be an earlier term paper from the baccalaurette degree or 2) a senior project from the baccalaurette degree.)
    4. Perform an applied audition before enrolling in the first term.
- Music Theory
  - Master's degree:
    1. Possess a bachelor's degree in music theory or the equivalent.
    2. Possess a minimum grade-point average of 3.0 in undergraduate music theory courses.
    3. Perform a keyboard proficiency examination.
    4. Submit examples of writing.
    5. Translate a selection into English from either French or German using a dictionary.
- Music Therapy
  - Master's degree:
    1. (a) Possess a bachelor's degree in music therapy from an NASM-accredited institution or the equivalent. (b) Possess a bachelor's degree in music or music education from an NASM-accredited institution or the equivalent. Students who do not have the appropriate music therapy professional status must pursue a music therapy equivalency program of study that is inclusive of all undergraduate music therapy requirements before being admitted to the master's program. Provisional admission to the master of arts in music-music therapy degree may be granted by the music therapy faculty.
    2. Have an acceptable interview with one or more members of the music therapy faculty.
    3. Demonstrate leadership ability and music skills through a successful music therapy clinical presentation in a music therapy setting. This demonstration may consist of a live presentation observed by UMKC music therapy faculty, or a videotape of a session submitted to the music therapy faculty.
- Performance
  - Master's degree: achieve Conservatory 5501 (Graduate Masters Performance) at the audition.
  - Doctoral degree: achieve Conservatory 5601 (Graduate Doctoral Performance) at the audition.
- Performer's Certificate

1. Possess a bachelor's degree in music.
2. Achieve Conservatory 5501 at the audition.
3. Interview with faculty/coaches in the applied area.
4. Submit a standard resume including performance experiences.

- Artist's Certificate
  1. Possess a master's degree in music or the appropriate equivalent as determined by applied faculty in the area.
  2. Achieve Conservatory 5601 at the audition.
  3. Interview with faculty/coaches in the applied area.
  4. Submit a standard resume including performance experiences.

Matriculation Examination

The matriculation exam applies to all students whose degree program requires a 5500-level music history and/or music theory class. The matriculation examination in dictation, music theory and music history must be completed by students before enrolling for the term of admission. Students must pass all sections of the exam *or* complete review courses (421A/B, 497JA/B with a grade of B- or higher) before enrolling in 5500-level theory and history courses. This examination will be administered during the week before each term. In addition, composition majors at the master's and doctoral levels must complete matriculation examinations in counterpoint, orchestration and electronic/computer music.

Graduate Assistantships, Fellowships and Scholarships

Graduate assistantships are available with stipends varying for the academic year depending upon assignment. Assistantships are available in accompanying, assessment, conducting, instrumental ensembles, jazz and studio music, keyboard skills, music appreciation, music composition, music education, musicology, music theory, percussion, pep band, piano, saxophone, recording/lighting, stage management and voice. Recipients are expected to devote 10 hours a week in assigned duties. Applicants for assistantships should have and maintain a minimum 3.0 (B) grade-point average.

Students who wish to apply for assistantships or fellowships should visit Conservatory Admissions for application materials and a list of current positions. Applications must be submitted by March 1. Awards will be made by April 1, and a letter of acceptance or rejection sent to the applicant by April 15. Awarding a graduate assistantship is contingent upon admission.

For information concerning assistantships, fellowships and other forms of student financial aid and scholarships, contact the

Conservatory Admissions Office
(816) 235-**2932**
cadmissions@umkc.edu
and the Financial Aid and Scholarships Office
University of Missouri-Kansas City
5115 Oak St.
Kansas City, MO 64110-2499
http://www.sfa.umkc.edu

Degree Requirements

Information concerning specific degree requirements is available upon request from Conservatory Admissions,

UMKC Conservatory of Music and Dance
4949 Cherry St.
Kansas City, MO 64110-2499
(816) 235-**2900**
cadmissions@umkc.edu

Conservatory graduate students must maintain a 3.0 graduate grade-point average in order to remain in good standing. A maximum of two courses not exceeding three hours of credit in each course at the 5500 or 5600 level in which C's are received shall be acceptable for the planned program of any advanced degree. No grade lower than a 3.0 (B) is acceptable in the major field, except in the master of arts degree.

Ensemble Requirements

All graduate students in the master of music and doctor of musical arts performance degree programs must enroll in Conservatory Wind Ensemble, Conservatory Wind Symphony or Conservatory Orchestra for a minimum of two semesters if their major instrument is an orchestral instrument. Master of music students in vocal performance must participate in Bella Voce, Conservatory Concert Choir or Conservatory Singers for a minimum of two semesters.

All graduate students in the doctor of musical arts conducting degree program are required to participate in at least one major ensemble, as advised by the conducting faculty, during each term of enrollment as a full-time student.

Foreign Language Proficiency

Master's students in musicology and theory, as well as doctoral students in composition, conducting and performance must satisfy language requirements for the degree.

For all M.M. students in Musicology, a grade of B- (2.7) or better in a first-semester, sophomore-level foreign language course is required. Students must study French, German or Italian unless the substitution of another language is approved by the supervisory committee. A language proficiency test may be substituted for course requirements, provided it documents language capabilities equivalent to the completion of a first-semester, sophomore-level, course. This must be approved in advance by the supervisory committee. In such cases, a letter describing the process and results must be forwarded to the chair of the supervisory committee, the musicology area coordinator, and the Conservatory Associate Dean for Academic Studies.

For master's students in theory as well as doctoral students in conducting and performance *who speak English as their first language*, a grade of B- (2.7) or better in a first-semester, sophomore-level foreign language course or C (2.0) work or better in each of two junior-level courses or in one senior-level literature or civilization course is viewed as an adequate demonstration of foreign language skills. Students must study French, German or Italian unless the substitution of another language is approved by a minimum of two-thirds of the supervisory committee. A language proficiency test, if provided by language instructors or departments, may be substituted for course requirements provided it documents language capabilities equivalent to the previously described courses. In such cases, a letter from the university language professor, describing the process and results, must be forwarded to the Conservatory Associate Dean for Academic Affairs. Doctoral students in conducting or performance *who speak English as a second language* must achieve a score of 600 on the TOEFL exam. If students have not completed a TOEFL exam with a score greater than 600 before arriving at UMKC, they must complete a language test in English provided by UMKC's Applied Language Institute. All courses recommended by ALI must be successfully completed and a score of 600 on the TOEFL, or the equivalent as determined by ALI must be achieved. This policy applies to all ESL students regardless of the number of years they have studied in the United States.

For doctoral composition students *who speak English as their first language*, a grade of B- (2.7) or better in a first-semester, sophomore-level foreign language course or C (2.0) work or better in each of two junior-level courses or in one senior-level literature or civilization course is viewed as an adequate demonstration of appropriate foreign language skills. A language proficiency test, if provided by language instructors or departments, may be substituted for course requirements provided it documents language capabilities equivalent to the previously described courses. In such cases, a letter from the university language professor, describing the process and results, must be forwarded to the Conservatory Associate Dean for Academic Affairs. Students who have demonstrated evidence of foreign language skills by passing one year of foreign language study at the college level, or by passing the final exam for a level-two college foreign language course, may elect the following options for fulfilling their foreign language requirement: A grade of B- or better in CONS 534B Advanced Computer Music Language Study or 598B Research Problems in Computer Languages and Music. If one of these courses is used to fulfill the foreign language requirement, it cannot also be used as part of the area of concentration. Doctoral students in composition *who speak English as a second language* must achieve a score of 600 on the TOEFL exam. If students have not completed a TOEFL exam with a score greater than 600 before arriving at

UMKC, they must complete a language test in English provided by UMKC's Applied Language Institute. All courses recommended by ALI must be successfully completed and a score of 600 on the TOEFL, or the equivalent as determined by ALI must be achieved. This policy applies to all ESL students regardless of the number of years they have studied in the United States.

MASTER'S DEGREES

The master of arts, master of music and master of music education degree programs require a minimum of 30 semester hours; at least 18 hours must be numbered 5500 or above. No 300- or 400-level courses may be included in a master's program if required in the comparable baccalaureate degree at the Conservatory of Music and Dance. Conservatory 5599 (Thesis), Conservatory 5598 (Research Problems) or Conservatory 5589 (Academic Portfolio) is required on all degree programs except performance. With the approval of the supervisory committee and the principal graduate adviser, students can transfer hours equal to 20 percent of the planned program from an accredited institution other than UMKC, but any such transfer credit must be less than seven years old at the time the degree is awarded. The official time limit for the completion of the master's degree is seven years.

The comprehensive examination must be taken during or after the last term of coursework. It is designed to last a total of eight hours and the content is at the discretion of the supervisory committee. The examination is offered during the fifth week of fall and spring semesters and may be scheduled during a summer session with the approval of the supervisory committee. If taken in the summer, the questions may not be graded until the Fall Semester. students must be enrolled during the term the comprehensive examination is administered.

DOCTOR OF MUSICAL ARTS

Ordinarily, doctor of musical arts candidates will be expected to show from 75 to 90 hours of approved coursework beyond the bachelor's degree (including the master's degree) on their planned programs. Approximately 80 percent of the coursework on the planned program must be at the graduate level (5500-5600).

If it is of acceptable quality and appropriate to the student's program, graduate credit not to exceed more than one-half the total credit earned beyond the bachelor's degree may be transferred from another institution to a doctoral program. Except for courses included in the earned master's degree, work done at institutions other than UMKC must have been completed within nine years of the awarding of the degree. A D.M.A. or Ph.D. student must take and pass the doctoral comprehensive examination and advance to candidacy within five years from the beginning of doctoral coursework (within four years if entering with a master's degree in the same or closely related field). After the establishment of degree candidacy, a maximum of five years will be allowed for completion of degree requirements. All D.M.A. students must demonstrate proficiency in one foreign language and satisfy the residency requirement. Residency for the D.M.A. cannot begin until the first term of enrollment as a D.M.A. student at the Conservatory. The residency requirement for the D.M.A. may be satisfied in any one of the following ways: 1) two adjacent semesters with a minimum of nine hours each, or 2) one semester with a minimum of nine hours and two summer sessions with a minimum of five hours each, provided that the full-time semester is adjacent to one of the summer sessions [it is expected that the summer sessions will be consecutive], or 3) completion of 24 hours within 18 consecutive months.

The Supervisory Committee

The supervisory committee for students seeking the doctor of musical arts shall consist of three faculty members who will approve the planned program of study and the doctoral research plan, and agree to serve as the three faculty responsible for writing and grading the major portion of the doctoral comprehensive examination.

Comprehensive Examination

Before taking the written comprehensive examination, the planned program, residency, language requirement, coursework, doctoral research plan and other divisional requirements must be completed. The student must be enrolled during the term the comprehensive examination is administered and 30 consecutive days are allowed for its completion. This examination of 24 hours consists of 18 hours of in-depth scrutiny of the major field, prepared and graded by the supervisory committee, and an objective examination covering music history and music theory, prepared and graded by faculty from the Musicology and Music Theory areas. The integrated music history-music theory examination consists of a research essay to be completed over the sixth weekend and a proctored component administered on the seventh Saturday of the fall and winter semesters. **ALL** parts of the comprehensive examination **MUST** be taken at UMKC. The integrated music history-music theory exam affects students who enter the DMA program beginning in fall 2006. Each section of the music theory and music history examinations must be passed with a grade of B- or better. If a student does not achieve a B- or better on any section of these exams, he or she must retake that section. The comprehensive examination must be completed successfully before the dissertation topic is approved. Performance students must also successfully complete their comprehensive exams before the final recital is given. Students selecting doctoral research options (Conservatory 5697 and 5698) instead of the dissertation must complete at least one project after comprehensive exams are passed.

The Comprehensive Examination Committee

The comprehensive examination committee for students seeking the doctor of musical arts shall consist of three faculty members of the supervisory committee and any other faculty who have contributed and graded questions.

ACCORDION

- 5500A Graduate Accordion-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)

BASSOON

- 5500A Graduate Bassoon-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Bassoon - Masters Performance (4)
- 5601 Graduate Bassoon - Doctoral Performance (4)

CELLO

- 5500A Graduate Cello - Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Cello - Masters Performance (4)
- 5601 Graduate Cello - Doctoral Performance (4)

CLARINET

- 5500A Graduate Clarinet-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate Clarinet - Masters Performance (4)

- 5601 Graduate Clarinet - Doctoral Performance (4)

EUPHONIUM

- 5500A Graduate Euphonium-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Euphonium - Master's Performance (4)
- 5601 Graduate Euphonium - Doctoral Performance (4)

FLUTE

- 5500A Graduate Flute-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate Flute - Masters Performance (4)
- 5601 Graduate Flute - Doctoral Performance (4)

GUITAR

- 5500A Graduate Guitar-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JA Graduate Applied Jazz Studies (2)
- 5500JB Special Applied Jazz Studies (2)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate Guitar - Masters Performance (4)
- 5601 Graduate Guitar - Doctoral Performance (4)

HARP

- 5501 Graduate Harp - Masters Performance (2-4)
- 5601 Graduate Harp - Doctoral Performance (2-4)

HARPSICHORD

- 5500A Graduate Harpsichord-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)

HORN

- 5500A Graduate Horn-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate French Horn - Masters Performance (4)
- 5601 Graduate Horn - Doctoral Performance (4)

OBOE

- 5500A Graduate Oboe-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Oboe-Master Performance (4)
- 5601 Graduate Oboe - Doctoral Performance (4)

ORGAN

- 5500A Graduate Organ-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Organ - Masters Performance (4)
- 5601 Graduate Organ - Doctoral Performance (4)

PERCUSSION

- 5500A Graduate Percussion-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JA Graduate Applied Jazz Studies (2)
- 5500JB Special Applied Jazz Studies (2)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate Percussion - Masters Performance (4)
- 5601 Graduate Percussion - Doctoral Performance (4)

PIANO

- 5500A Graduate Piano-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JA Graduate Applied Jazz Studies (2)
- 5500JB Special Applied Jazz Studies (2)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate Piano - Masters Performance (4)
- 5601 Graduate Piano - Doctoral Performance (4)

SAXOPHONE

- 5500A Graduate Saxophone-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JA Graduate Applied Jazz Studies (2)
- 5500JB Special Applied Jazz Studies (2)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate Saxophone - Masters Performance (4)
- 5601 Graduate Saxophone - Doctoral Performance (4)

STRING BASS

- 5500A Graduate String Bass-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JA Graduate Applied Jazz Studies (2)
- 5500JB Special Applied Jazz Studies (2)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate String Bass - Masters Performance (4)
- 5601 Graduate String Bass - Doctoral Performance (4

TROMBONE

- 5500A Graduate Trombone-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JA Graduate Applied Jazz Studies (2)
- 5500JB Special Applied Jazz Studies (2)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate Trombone - Masters Performance (4)
- 5601 Graduate Trombone - Doctoral Performance (4)

TRUMPET

- 5500A Graduate Trumpet-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5500JA Graduate Applied Jazz Studies (2)
- 5500JB Special Applied Jazz Studies (2)
- 5500JC Applied Jazz Study Of A Second Instrument (1)
- 5501 Graduate Trumpet - Masters Performance (4)
- 5601 Graduate Trumpet - Doctoral Performance (4)

TUBA

- 5500A Graduate Tuba-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Tuba - Masters Performance (4)
- 5601 Graduate Tuba - Doctoral Performance (4)

VIOLA

- 5500A Graduate Viola-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Viola - Masters Performance (4)
- 5601 Graduate Viola - Doctoral Performance (4)

VIOLIN

- 5500A Graduate Violin-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Violin - Masters Performance (4)
- 5601 Graduate Violin - Doctoral Performance (4)

VOICE

- 5500A Graduate Voice-Secondary (2)
- 5500B Special Applied Studies (2)
- 5500C Applied Study Of A Second Instrument (1)
- 5501 Graduate Voice - Masters Performance (4)
- 5601 Graduate Voice - Doctoral Performance (4)

CONSERVATORY

- 5517 Advanced Opera Workshop (2)
- 5523 Analytical Procedures (3)
- 5524B Advanced Analysis II - Common Practice Period (3)
- 5524C Advanced Analysis III - Contemporary Period (3)
- 5526A Introduction To Schenkerian Theory And Analysis (3)
- 5526B Schenkerian Analysis (3)
- 5527 Advanced Counterpoint (3)
- 5528 Contemporary Harmonic/Contrapuntal Styles (3)
- 5529 Aspects Of Time And Music (3)
- 5531 Advanced Orchestration (3)
- 5533 Advanced Composition (3)
- 5534 Advanced Electronic Music Composition (3)
- 5534B Advanced Computer Music Language Study (3)
- 5534C Electroacoustic Music Aesthetics And Analysis (3)
- 5540A Seminar In Adv Music Education Methods For Elementry Teachers (2)
- 5540B Advanced Methods In Instrumental Music (2)
- 5540C Advanced Methods In Choral Music (2)
- 5543 Psychology Of Music (3)
- 5544 Advanced Clinical Experience (2)
- 5545 Seminar In Music Therapy (2)
- 5547 History Of Opera I (3)
- 5551 History Of The Oratorio (3)
- 5554 Music Of The Medieval Era (3)
- 5555 Music Of The Renaissance (3)
- 5556 Music Of The Baroque Era (3)
- 5557 Music Of The Classical Era (3)
- 5558 Music Of The Romantic Era (3)
- 5559A Music Since 1900: 1900-1945 (3)
- 5559B Music Since 1900: 1945 To The Present (3)
- 5560A Seminar: History Of Russian Vocal Music (3)
- 5560B Seminar: Nineteenth-Century Nationalism In Music (3)
- 5560C Seminar: History Of American Music (3)
- 5561 Advanced Music Literature (1-3)
- 5566A Advanced Vocal Literature: French Melodies (2)
- 5566B Advanced Vocal Literature: German Lieder (2)
- 5566C Advanced Vocal Literature: Nationalistic Art Songs (2)
- 5566D Advanced Vocal Literature: 20Th Century Amer & Engl Art Songs (2)
- 5570 Music Education In The College Environment (3)
- 5574 History And Philosophy Of Music Education (3)
- 5576 Professional Aspects Of College Teaching (2)
- 5577 Advanced Vocal Diction (2)
- 5582A Advanced Choral Conducting - Technique (2)
- 5582B Advanced Choral Conducting - Style (2)
- 5582C Advanced Choral Conducting-Rehearsal Techniques (2)
- 5583A Advanced Instrumental Conducting (2)
- 5583B Advanced Instrumental Conducting - Orchestra (2)
- 5583C Advanced Instrumental Conducting - Band (2)
- 5586A Seminar In Orchestral Literature (2)
- 5586B Seminar In Wind/Band Literature (2)
- 5587A Seminar In Choral Literature-Middle Ages & Renaissance (2)
- 5587B Seminar In Choral Literature-Baroque And Classical (2)
- 5587C Seminar In Choral Literature-Twentieth Century (2)
- 5587D Seminar In Choral Literature-Large Forms Orchestral Accomp (2)
- 5587E Seminar In Choral Literature - Sacred (2)
- 5589 Academic Portfolio (1)
- 5589A Academic Portfolio II (1)
- 5590 Special Topics (1-3)
- 5590AD Special Topics (1-3)
- 5590BJ Special Topics (1-3)
- 5590CA Special Topics (1-3)
- 5590CE Special Topics (1-3)
- 5590CT Special Topics (1-3)
- 5590HA Special Topics (1-3)
- 5590HG Special Topics (1-3)
- 5590HS Special Topics (1-3)
- 5590IN Special Topics (1-3)
- 5590MB Special Topics (1-3)
- 5590OL Special Topics (1-3)
- 5590PO Special Topics (1-3)
- 5590PP Special Topics (1-3)
- 5590SV Special Topics (1-3)
- 5591C Advanced Pedagogy I - Organ (2)
- 5591E Advanced Pedagogy I - Piano (2)
- 5591G Pedagogy Of Music Theory I (3)
- 5591H Advanced Pedagogy I - Voice (2)
- 5591J Advanced Pedagogy I-General (2)
- 5591K Pedagogy Of Music History (3)
- 5592C Advanced Pedagogy II - Organ (2)
- 5592E Advanced Pedagogy II - Piano (2)
- 5592H Advanced Pedagogy II - Voice (2)
- 5593 Introduction To Research And Bibliography In Music (3)
- 5594A Introduction To Descriptive And Experimental Research In Music (3)
- 5596 Research In Teaching/Learning Music (3)
- 5597 Master's Recital (4)
- 5597A Master's Conducting Performance (4)
- 5597B Master's Recital II (4)

- 5597CE Master's Recital (4)
- 5598 Research Problems (2)
- 5598B Research Problems In Computer Languages And Music (1-3)
- 5599 Thesis (1-9)
- 5620 History Of Music Theory I (3)
- 5621 History Of Music Theory II (3)
- 5674 Music Administration In Higher Education (3)
- 5693 Advanced Research And Bibliography In Music (3)
- 5695 Practicum In Music Education (3-6)
- 5697 Doctoral Recital (4)
- 5697A Doctoral Lecture Recital (4)
- 5697B Doctoral Conducting Performance (4)
- 5697BP Doctoral Conducting Performance Paper (1)
- 5697C Doctoral Recital II (1-4)
- 5697CP Doctoral Recital Paper II (1)
- 5697D Doctoral Conducting Performance II (1-4)
- 5697DP Doctoral Conducting Performance Paper (1)
- 5697P Doctoral Recital Paper (1)
- 5698 Research Problems (2)
- 5698A Doctoral Research Problems II (2)
- 5698B Doctoral Music Product (1-4)
- 5699 Dissertation Research (1-16)
- 5699A Dissertation Research (1-16)
- 5899 Required Graduate Enrollment (1)
- H5593 Introduction To Research And Bibliography In Music (3)

Nursing, School of

SCHOOL OF NURSING

Health Sciences Building
Hospital Hill Campus
2464 Charlotte Street
(816) 235-**1700**
Fax: (816) 235-**1701**
nurses@umkc.edu
http://www.umkc.edu/nursing/

Mailing Address
University of Missouri-Kansas City
School of Nursing
2464 Charlotte Street
Kansas City, MO 64108

Dean:
Lora Lacey-Haun
Associate Dean for Academic Programs:
Thad Wilson
Associate Dean for Research and Scholarship:
Tina Hines

Assistant Dean for Student Affairs:

Joy Roberts

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HISTORY

In 1973-74, a graduate nursing program was started under the aegis of the School of Graduate Studies. On Nov. 16, 1979, the Board of Curators approved a proposal to establish a school of nursing at the University of Missouri-Kansas City. In 1981, following a developmental period, two new curricula were implemented. These were an upper-division baccalaureate degree for registered nurses and a master's degree program. In 1992, the Board of Curators approved the offering of an inter-campus, cooperative doctoral program in nursing (Ph.D. N.D.). The doctoral curricula was implemented on the Kansas City campus in the fall semester of 1995. In 2000, the Board of Curators approved the offering of a pre-licensure baccalaureate degree program beginning in the fall semester of 2001.

ACCREDITATION

The Bachelor of Science in Nursing (B.S.N.) and Master of Science in Nursing (M.S.N.) programs are accredited by the Commission on Collegiate Nursing Education (CCNE).

FACILITIES

The University of Missouri-Kansas City has extensive educational facilities on the Volker campus combined with the health care educational facilities and main office on the Hospital Hill campus. These include libraries, resource centers, audiovisual resources, data processing and science information specialists. The affiliated clinical facilities include Truman Medical Center, Children's Mercy Hospital and nearly 100 community-wide facilities in the Kansas City metro area.

ADMISSIONS

The Office of Admissions is located in

Administrative Center, Room 120
5115 Oak St.

Applicants should complete the regular UMKC application for admission, as well as a supplemental application to the School of Nursing.

Applications and transcripts should be mailed to

Mailing Address
University of Missouri-Kansas City
UMKC Office of Admissions
120 Administrative Center
5100 Rockhill Road
Kansas City, MO 64110-2499

Masters' Students: The School strongly recommends that applicants who wish to be enrolled for the summer or fall semesters apply for admission and have all application materials received at the University by Feb. 1. Applicants who wish to enroll for the spring semester should have all application materials received by Sept. 1. Applications received after that date may or may not be reviewed depending on available space. Nurse practitioner applicants wanting full-time study must begin in a summer semester.

DNP Students: All application materials must be received by September 15 for admission to the program the following summer semester.

PhD Students: All application materials must be received by February 1 for admission to the program that summer semester.

Once admitted, all official University communication is conducted via UMKC e-mail.

FINANCIAL ASSISTANCE

The School of Nursing offers a range of scholarships, traineeships and other funds for both full- and part-time graduate and undergraduate nursing students. Students who complete the Free Application for Federal Student Aid (FAFSA) are eligible for the following:

- Helen Blond Scholarship
- Laura Larkin Dexter Scholarship
- Hedgepeth Scholarship
- John S. Waggoner Memorial Nursing Scholarship
- DHHS Public Health Service Professional Nurse Traineeship (when available)
- National Faculty Loan Program (not linked to Financial Aid) and may require additional nurse educator course work

Other funds may be available for students demonstrating financial need. Applications for nursing scholarships are considered after submission of the FAFSA. The priority submisison deadline for this is March 1. Further information about applications and qualifications for any of these funds may be obtained from the School of Nursing Student Services Office, room 1410, 2464 Charlotte Street, Kansas City, MO 64108-2718.

INTERNATIONAL STUDENTS

The School of Nursing coordinates recruitment, retention and continuing advisement for nursing students from abroad in cooperation with the University's Office of International Student Affairs. In addition to the English proficiency examination (TOEFL), all graduates of foreign schools of nursing must complete the Commission on Graduates of Foreign Nursing Schools (CGFNS) qualifying examinations which will enable them to take the National Council Licensure Examinations (NCLEX) for licensure as a registered nurse in Missouri. Students applying to the NNP program may be qualifying to sit for licensure in any of the continental United States. In addition to sending all official transcripts to the UMKC Office of International Student Affairs, transcripts must also be sent to CGFNS for their evaluation of degree equivalency. The Web address for CGFNS is http://www.cgfns.org/default.shtml. Information about specific requirements for admission and progression may be obtained from the School of Nursing Student Services Office. The School of Nursing retains the right to assess the level of current clinical skills prior to enrollment in clinical coursework.

ORGANIZATIONS

Student Nurses Organization

Membership in the Student Nurses Association (SNA) is automatic for all students admitted and enrolled in the School of Nursing. Officers and representatives to the school's standing committees are elected annually. Council meetings and special events are held periodically throughout the academic year.

Sigma Theta Tau International, Lambda Phi Chapter

This international nursing honor organization is designed to recognize and encourage superior scholarship and leadership achievements in nursing. Students are eligible for consideration as senior undergraduate students and as continuing graduate students. Membership, based on scholarship, is by invitation only. The induction of new members is held each spring.

Nursing Alumni Association

All students at the School of Nursing qualify for membership in the Nursing Alumni Association. Objectives of the alumni association are to provide mentoring to the student body and garner support for the school. Meetings are held periodically and officers are elected each spring by the Nursing Alumni Board.

PROGRAM CHANGES

The School of Nursing reserves the right to make changes in courses, degree requirements and course schedules without notice.

MASTER OF SCIENCE IN NURSING (M.S.N.)

The School of Nursing offers nine program options leading to the master of science in nursing degree. Graduate education in nursing opens doors of opportunity in new and expanding fields of health care. A master's degree forms the basis for advanced nursing practice, continued professional development and further graduate study. The nurse specialist is an expert in a discrete area of nursing practice. Students are admitted to one of the following program options provided a cohort group is available:

- Adult Clinical Nurse Specialist (42 credit hours)
- Adult Nurse Practitioner (42 credit hours)*
- Family Nurse Practitioner (42 credit hours)*
- Neonatal Nurse Practitioner (43 credit hours)
- Nurse Executive (37 credit hours)

- Nurse Educator (38 credit hours)
- Nurse Midwifery (47 credit hours)**
- Pediatric Nurse Practitioner (42 credit hours)
- Women's Health Nurse Practitioner (42 credit hours)

* Students in this program must submit copies of their RN licenses for both Missouri and Kansas during clinical coursework.
** Offered in cooperation with the University of Kansas School of Nursing.

ADMISSION CRITERIA

Each applicant must meet the following criteria for admission:

- B.S.N. from a NLNAC or CCNE accredited college/university-based program or from a B.S.N. program comparable to the UMKC School of Nursing B.S.N. program.
- Current licensure as a registered nurse in the United States and eligibility for licensure in Missouri. If applying to the adult or family nurse practitioner program option, must be eligible for licensure in both Missouri and Kansas.
- Minimum cumulative 3.2 GPA (4.0 scale).
- Pediatric Nurse Practitioner applicants must have at least one year of full-time equivalent clinical practice in the area of clinical specialization within the three years prior to admission to the graduate program to be eligible to be admitted in the specified program option.
- Neonatal nurse practitioner applicants are required to have the equivalent of two years full-time recent (within the past five years) RN practice experience in the area of the critically ill newborn infants (a minimum of one year in Level III NICU) prior to beginning the clinical courses. Neonatal Resuscitation Program (NRP) certification is required. Students must reside in the continental United States or Canada.
- Completion of supplemental admission requirements.

UMKC GRADUATE OUTREACH PROGRAM

Program and Distant Site Programs

The University of Missouri-Kansas City School of Nursing offers outreach education to St. Joseph, Mo., and Joplin, Mo. Using a combination of distance education technology and on-site teaching, students are able to complete the master's family nurse practitioner program at the outreach site. Students desiring another clinical area of study may complete core coursework at the outreach site, but will be required to come to Kansas City for their clinical or program specific coursework.

M.S.N. Academic Regulations

Academic Progression

Students in the M.S.N. degree program are governed by the policies of the General Graduate Academic Regulations and Information contained in this catalog. Relevant policies include: Graduate Probation Policy; Continuous Enrollment Policy; Ineligibility for Further Graduate Study; Policy on Repeated Graduate Credit Courses and Minimum Regulations Governing Master's Degrees and Time Limit on Degree Credit. In addition, students must adhere to policies of the School of Nursing, including Academic Progression-M.S.N., which outlines the procedure to be followed when students receive a grade of less than 3.0 in their nursing courses.

Advisement Policy

Each student is assigned a faculty mentor upon entry to the School of Nursing, whose role is to advise on professional matters. If a student is experiencing difficulty in academic, financial or professional matters, the faculty mentor is also available to assist the student.

GRADUATE ACADEMIC REGULATIONS

Nursing students are expected to be familiar with the policies and procedures specific to their level of study and to review these each semester for updates and changes. These can be found in the UMKC General Catalog and in the School of Nursing's Policies and Procedures manual, which can be found at the "Policies" link on the School's home page (http://www.umkc.edu/nursing/).

Academic and Professional Behavior

Students in the School of Nursing abide by the University of Missouri Student Conduct Code (listed in the appendices of this catalog) and by the School of Nursing Honor Code found at (http://nursing.umkc.edu/documents/honorcode.pdf). The Standards of Professional and Ethical Behavior detailed in the honor code have been developed to guide students who are enrolled at all levels with the UMKC-SON, including undergraduate and graduate students, and are designed to assure accountability for the professional and ethical standards of the nursing profession.

Immunization/Confidentiality/AIDS Policy

Prior to enrollment in coursework, all students must submit a copy of their nursing license. RN state licensure(s) must not have any sanctions or revocations upon admission or during program tenure. Any infractions will result in immediate dismissal from the program. In addition, **all students** must sign the "Personal Responsibility Statement" which attests to the student's understanding of the general catalog, program guides, policies and maintaining confidentiality during clinical rotations. It also verifies their understanding and knowledge of the UMKC AIDS policy and Center for Disease Control Universal Precautions for the prevention or the transmission of AIDS and other infectious diseases in client care.

Prior to enrollment in a clinical course, students must submit:

- Written documentation of a TB skin test within the last 12 months.
- MMR or titer showing immunity.
- Tetanus/diphtheria/pertusis immunity within the last 10 years.
- Completion of the Hepatitis B series.
- A current Basic Cardiac Life Support Certification card (or Neonatal Resuscitation Program Certification card).
- A criminal background check.
- A possible drug screen.
- Other documentation as required by the clinical agency.

Additionally, students in the adult or family nurse practitioner programs must submit copies of both their Missouri and Kansas RN licenses.

Failure to submit this information will result in the student's inability to enroll in clinical courses (or removal from a clinical course), which could jeopardize completion of the student's program of study as planned. Graduate students must also be able to meet minimum expectations for performance in clinical coursework and professional nursing.

Leave of Absence

Under specific circumstances, students may be granted a leave of absence for one semester. A request for a leave of absence should be submitted to the appropriate Nursing Program Committee no later than two weeks prior to the beginning of the semester for which the leave is requested. In the event of unexpected emergencies, students may petition the appropriate Nursing Program Committee for a leave of absence within the semester in which the coursework is to be dropped. Petition forms can be obtained from the Nursing Student Services Office.

Students who have been granted a leave of absence must submit a Request to Re-Enroll Form. Enrollment in clinical courses may be affected and may extend the student's matriculation. If the leave occurs during the clinical sequence, students are responsible to re-enter clinical coursework at the same level of competency as their peers who were not on leave.

Students who do not maintain continuous enrollment (exclusive of summer sessions) will be required to complete an application for re-admission to the University and the

School of Nursing and are liable for any intervening curriculum changes.

This leave of absence provision does not apply to graduate students who have completed all courses on their planned program of study. These students must follow the General Graduate Academic Regulations for "Continuous Graduate Enrollment Requirement" and "Continuous Graduate Enrollment (5899).

SCHOOL OF NURSING COURSES

- 5515NA Role Of The Nurse Administrator (3)
- 5515NE The Role Of The Nurse Educator (2)
- 5516 Curriculum Development (2)
- 5517 Teaching Strategies (2)
- 5518 Curriculum Development And Teaching Strategies (3)
- 5519 C & I Field Experience (1)
- 5526 Health Promotion Across The Lifespan (3)
- 5527 Cultural Diversity & Values (3)
- 5528 Policy, Politics & Professional Ethics In Health Care (3)
- 5530A The Experience Of Health In Aging: Physiological (1)
- 5530B The Experience Of Helath In Aging: Relationship (1)
- 5530C The Experience Of Health In Aging: Community (1)
- 5547A Diagnostic Reasoning/Advanced Assessment (4)
- 5547C Diagnostic Reasoning/Advanced Assessment (4)
- 5547F Diagnostic Reasoning/Advanced Assessment (4)
- 5547N Advanced Health Assessment Of The Neonate (3)
- 5547PM Diagnostic Reasoning/Advanced Assessment (2)
- 5547W Diagnostic Reasoning/Advanced Assessment (4)
- 5548 Advanced Pathophysiology (3)
- 5548C Advanced Pediatric Pathophysiology (3)
- 5548N Physiology/Pathophysiology Of The Neonate (3)
- 5549 Pharmacology For Advanced Nursing Practice (3)
- 5549C Pediatric Pharmacology For Advanced Nursing Practice (3)
- 5549N Pharmacology For The Neonate (3)
- 5550 Theoretical Foundations In Nursing (3)
- 5555 Research Methodology (3)
- 5556 Program Evaluation (3)
- 5557 Qualitative Methods In Nursing Research (3)
- 5558 Research Design (3)
- 5564A Primary Care Of Adults II (5)
- 5564C Clinical II: Primary Care Of Children (6)
- 5564F Primary Care Of Families II (5)
- 5564N Neonatal Nursing I (3)
- 5564PW Primary Health Care Of Women (5)
- 5566F Primary Health Care Nursing Of Families III (4)
- 5566N Neonatal Nursing II (3)
- 5566NP Adult Nurse Practitioner Health Care Nursing III (4)
- 5566PC Chronic Child Health Care (4)
- 5566W Care Of The Childbearing Woman (4)
- 5572 Advanced Nursing Practice: Synthesis Practicum (5)
- 5572II Preceptorship II (5)
- 5572NA Advanced Nursing Practice: Synthesis Practicum (3)
- 5572NE Advanced Nursing Practice: Synthesis Practicum (3)
- 5572NI Preceptorship I (5)
- 5587 Research Utilization In Nursing (3)
- 5597A Independent Study In Nursing/Patient Care-Elective (1-6)
- 5597B Independent Study In Nursing/Patient Care-Equivalent (1-6)
- 5597CD Independent Study In Nursing/Patient Care-Elective (1-6)
- 5597D Independent Study In Nursing (1-6)
- 5597E Independent Study In Nursing (1-6)
- 5597EC Independent Study In Nursing (1-6)
- 5597HP Independent Study In Nursing (1-6)
- 5597IH Independent Study In Nursing/Patient Care-Equivalent (1-6)
- 5597NE Independent Study In Nursing/Patient Care-Elective (1-6)
- 5597PP Independent Study In Nursing (1-6)
- 5597PV Independent Study In Nursing (1-6)
- 5597RA Independent Study In Nursing (1-6)
- 5597WV Independent Study In Nursing (1-6)
- 5598 Directed Research (1-6)
- 5599 Research Thesis (1-9)
- 5600 Doctoral Seminar (1)
- 5605 Philosophy Of Science In Nursing (3)
- 5608 Theory Development In Nursing I (3)
- 5610 Theory Development In Nursing II (3)
- 5614 Health Policy & Ethics (2)
- 5630 Health Care Systems (3)
- 5631 Health Promotion & Protection (3)
- 5632 Health Restoration & Support (3)
- 5662 Psychometrics (3)
- 5668 Quantitative Research (3)
- 5670 Qualitative Research Methods (3)
- 5676 Research Practicum (3-6)
- 5694 Directed Readings (1-3)
- 5697A Special Topics Nursing Elective (1-6)
- 5697B Special Topics Nursing-Equivalent (1-6)
- 5697P Special Topics Nursing Elective (1-6)
- 5697PA Special Topics Nursing (1-6)
- 5697S1 Special Topics Nursing Elective (1-6)
- 5697S2 Special Topics Nursing Elective (1-6)
- 5697SI Special Topics Nursing Elective (1-6)
- 5697SL Special Topics Nursing Elective (1-6)
- 5699 Dissertation Research (1-12)
- 5899 Required Graduate Enrollment (1)

DOCTOR OF NURSING PRACTICE PROGRAM

The Program

The Doctor of Nursing Practice program will prepare nurses with the knowledge, skills and attributes necessary for fully accountable practice with patients across sites and over time. With the increasing scope of clinical scholarship in nursing and the growth of scientific knowledge in the discipline, doctoral level education is necessary for advanced practice in the dynamic health care arena. The curriculum includes content that will enable the graduate to conduct complex diagnostic and treatment modalities, assess and apply scientific evidence to clinical practice and assimilate in-depth knowledge of biophysical, psychosocial, behavioral and clinical sciences; develop organizational leadership skills; and engage in the process of policy development.

Student Learning Outcomes

Graduates of the DNP program will be prepared to:

1. serve as leaders in nursing and health care.
2. demonstrate advanced knowledge, values, and skills in a selected area of nursing.
3. demonstrate advanced knowledge, values, and skills in a selected functional role.
4. synthesize theory, research knowledge and methods to create, implement, and evaluate
    a. practice interventions,
    b. health delivery systems,
    c. clinical teaching.

Admission Requirements

Currently students admitted to the program must be an advanced practice nurse with certification as a CRNA, CNM, NCS, or NP. Applicants will be evaluated for doctoral nursing studies according to the following criteria:

- Grade-point average
- Graduate Record Examination (with writing component)
- Reference Letters
- Resume/Vita
- Essay
- Preceptor Letter of Confirmation w/ Resume/Vita

All application materials are due by September 15 for a Summer start.

Pharmacy, School of

SCHOOL OF PHARMACY

Health Sciences Building
Hospital Hill Campus
2464 Charlotte Street
(816) 235-**1609**
Fax: (816) 235-**5190**
(816) 235-**2426** (Pharmaceutical Sciences Division Office)
(816) 235-**1792** (Pharmacology and Toxicololgy Division Office)
pharmacy@umkc.edu
http://www.umkc.edu/pharmacy/

Mailing Address
University of Missouri-Kansas City
School of Pharmacy
2464 Charlotte Street
Kansas City, MO 64108

Dean:
Robert W. Piepho
Associate Dean:
Wayne M. Brown
Mary L. Euler
Kathleen A. Snella

- General Information
- Degrees Offered
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- Requirements for M.S. Degree Conferral
- Non-Degree Seeking Graduate-Level Students
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- Pharmacy (PHARM) Courses

GENERAL INFORMATION

History

Originally organized in 1885, the school was reorganized and reincorporated in 1898 as the Kansas City College of Pharmacy and Natural Science. In 1943, this forerunner of

the present school joined the University of Kansas City as its third professional school.

When the University of Kansas City was incorporated into the University of Missouri system in 1963, the School of Pharmacy became the only state-supported pharmacy school in Missouri. In October 1985, the school observed its centennial celebration, commemorating 100 years of progress in pharmaceutical education, research and service.

The School of Pharmacy is a member of the American Association of Colleges of Pharmacy (AACP). The doctor of pharmacy program is accredited by the Accreditation Council for Pharmacy Education (ACPE). The most recent accreditation review was during the 2003-04 academic year when full accreditation was continued. The next on-site accreditation review will be during the 2009-10 academic year. Anyone interested can contact ACPE at http://www.acpe-accredit.org for more information.

Degrees Offered

The School of Pharmacy offers programs leading to the advanced professional degree of doctor of pharmacy and the undergraduate-level bachelor of science in pharmaceutical sciences. Graduate-level degrees include the master of science in pharmaceutical sciences. Emphasis areas available in the master's degree program are:

- Pharmaceutics (including pharmaceutical technology and pharmacokinetics)
- Pharmaceutical chemistry (including medicinal chemistry),
- Pharmacology
- Toxicology

The School of Pharmacy participates in the Interdisciplinary Ph.D. program with emphasis areas in pharmaceutical sciences and pharmacology and toxicology.

Degrees Offered

The School of Pharmacy offers the master of science in pharmaceutical sciences and participates in the Interdisciplinary Ph.D. degree program in the School of Graduate Studies. Areas of concentration available at the master's level include:

- Pharmaceutics
- Pharmaceutical technology
- Biopharmaceutics/pharmacokinetics
- Medicinal chemistry
- Pharmacology
- Toxicology

The disciplines of pharmaceutical sciences (which incorporates pharmaceutics, pharmaceutical chemistry and pharmacokinetics) and pharmacology and toxicology are eligible for Interdisciplinary Ph.D. study.

The M.S. degree incorporates research, thesis and core curricular requirements. Admission to graduate study in the School of Pharmacy represents a judgment of the faculty that a student has the potential to successfully pursue a graduate degree. It does not provide a guarantee.

Students must adhere to all stipulations of the University for the degrees sought. Nothing in this description shall be construed to be in conflict with policies of the University or the School of Graduate Studies; however, the School of Pharmacy reserves the right to set more exacting standards for admission and retention.

Admission Requirements

Master of Science in Pharmaceutical Sciences

All applications to master's programs in the School of Pharmacy must be made through the UMKC Admissions Office. An applicant must meet the general requirements of the University to be considered by the School of Pharmacy.

Applications are reviewed by the appropriate division and must be approved by the graduate programs committee of the school, composed of professors who have appointments to the University graduate or doctoral faculty, and by the dean of the School of Pharmacy.

Admission to the graduate programs in the School of Pharmacy is contingent on the ability of the graduate faculty to accept additional graduate students and the availability of space and funding in the proposed area of emphasis.

Thus, worthy candidates may not be accepted due to a lack of a match in students' interests to faculty availability and other considerations.

Requirements for admission to the master of science program in the School of Pharmacy include:

- A professional degree in pharmacy or a baccalaureate degree in a related-science field.
- An aggregate minimum undergraduate GPA of 3.0 for students graded on a 4.0 basis, a first-class degree for students graded on the British system or equivalent undergraduate achievement for others. (A prospective faculty adviser may require more stringent standards in the emphasis area and may recommend acceptance based on consideration of other factors.) (For those students whose emphasis area is pharmacology and toxicology, a minimum 3.5 GPA is required on all post-baccalaureate work.)
- Submission of three letters of reference bearing on the academic and research potential of the applicant from individuals who have in-depth knowledge of evaluating the applicant's ability and potential for graduate level study.
- Submission of scores obtained in the Graduate Record Examination (GRE). A minimum score of 1800 is required. (For those students whose emphasis area is pharmacology and toxicology, a minimum combined score of 1200 for the verbal and quantitative areas and the minimum score on the analytical writing portion of the GRE must be 4.5 or higher.)
- For students whose primary language is not English, scores from the Test of English as a Foreign Language (TOEFL) must be submitted. A minimum TOEFL score of 580 (paper) or 237 (computer) is required.
- Foreign students must meet financial independence criteria established by the University.
- Students whose native language is not English must follow the UMKC English Proficiency Requirements for International Students.

Although new students pursuing the pharmaceutical sciences emphasis are accepted during all terms, because of course sequencing, it is recommended that students enter in the fall term. The deadline for application to the M.S. program is March 1 for the fall term and Oct. 1 for application to the spring term. Due to course sequencing, new pharmacology and toxicology emphasis students will preferably be accepted in the fall term. To have credentials included in the review process, applicants should submit GRE scores and all other necessary supporting documentation no later than May 15 (domestic applicants) or March 15 (international applicants) in the year in which admission is sought.

Part-Time Graduate Students

Once all admission requirements have been satisfied, students admitted to the master of science in pharmaceutical sciences emphasis area or doctoral students whose coordinating unit is pharmaceutical sciences may enroll part time. Scientists who are employed in the Kansas City area may complete graduate study on a part-time basis by electing up to six credit hours each semester. However, the student must satisfy residency requirements and time limit restrictions of the School of Graduate Studies and the School (or its disciplines) before a degree is conferred. Research toward the thesis or dissertation must be independent of the projects ongoing at the student's place of employment. Research must be conducted in School of Pharmacy laboratories during at least two weekdays and one weekend day each week for one year. Students whose coordinating unit or emphasis area is pharmacology and toxicology should contact the division chair for separate regulations in this area.

Doctor of Philosophy

Ph.D. programs at UMKC are interdisciplinary. Students desiring to study at the doctoral level in pharmaceutical sciences or pharmacology and toxicology must apply to the School of Graduate Studies. Detailed information on the general and discipline-specific admission requirements may be found in the School of Graduate Studies section of this catalog.

Students pursuing Interdisciplinary Ph.D. study, who have selected pharmaceutical sciences or pharmacology and toxicology as one of their disciplines, should consult the School of Graduate Studies section of this catalog for degree requirements and other academic regulations applicable to their degree programs.

Career Applications

The M.S. degree offers advanced education in pharmaceutical sciences to students with undergraduate degrees in pharmacy or baccalaureate degrees in other fields such as chemistry, chemical engineering or biology. An M.S. degree is often a requisite for management positions in industrial pharmaceuticals production, quality assurance, regulatory affairs and other areas. It is sometimes desired as a milestone for full-time graduate students who are pursuing Interdisciplinary Ph.D. degrees, but the M.S. is not a prerequisite for the Ph.D. degree. Full-time students applying for admission to the graduate programs in the School of Pharmacy are urged to apply to the Interdisciplinary Ph.D. program.

The Ph.D. degree is the highest academic degree offered in any American university. It is a research degree. Merely attaining high grades in didactic coursework and passing examinations is insufficient demonstration of merit for this degree. Obtaining the Ph.D. degree requires demonstration of the highest order of scholarship; diligent and inventive pursuit of a research program; and defense of a dissertation based upon original research.

The Ph.D. is usually a requirement for obtaining appointment to university faculties or to senior-level appointments in research and development in pharmaceutical and related industries, research institutes and in government.

School Activities

Pharmaceutical Science Graduate Student Association (PSGSA)

Formed in 1981, this organization seeks to provide a forum for the exchange of ideas among graduate students in pharmaceutical science and to enhance appreciation of research activities among undergraduate pharmacy students. Each year PSGSA sponsors a picnic for all new and returning graduate students. They also arrange hospitality and publicity for graduate seminar programs and the annual School of Pharmacy Research Day.

Every year, the PSGSA attends the Pharmacy Graduate Student Research Meeting (PGSRM), hosted by different Midwest universities. This annual event is organized by graduate students and provides a forum for students to present their current research projects in the field of pharmaceutical sciences.

Rho Chi Pharmaceutical Honor Society

Graduate students in pharmaceutical science who meet the society's general academic criteria may be recommended for membership after completion of their first year of graduate study.

Seminar Requirement

There are two emphasis-area-specific seminar sections:

- Pharmacy 5580A is for students in pharmaceutical sciences.
- Pharmacy 5580C is for students in pharmacology and toxicology.

Attendance and participation in graduate seminars is required of all graduate students in the School of Pharmacy throughout their tenure in the program regardless of enrollment. Schedules and requirements vary in these sections, but at a minimum, each student usually presents one seminar during each academic year.

Faculty Advisers

All pharmacy graduate students are assigned interim faculty advisers as stated in the letter of admission. By the end of the first year, each student must have selected a permanent adviser.

For students (master's and doctoral) whose emphasis area is pharmaceutical science, if the permanent adviser chosen is not the same as the interim adviser, the student must confirm acceptance in writing by the desired permanent adviser. If a student wishes to change permanent advisers, a meeting will be held with the student and the two advisers to discuss the change. This meeting will be mediated by the division chair. If the division chair is one of the two advisers, a third party will mediate.

If the student changes to a faculty member outside the Division of Pharmaceutical Sciences, then such student will immediately lose any financial support from the Division of Pharmaceutical Sciences resources. If the student changes to another faculty member in the Division of Pharmaceutical Sciences, then any support from the division or school (e.g., GTA) resources will transfer with the student during the first year of graduate studies. Resources from individual professors are at the discretion of such professors.

The adviser from whom the student is transferring has the rights to all previous projects worked on by the student and all research ideas, grant proposals, etc., originating from such work. That adviser must grant permission in writing for the student to use any such material for meeting presentation, publication, patent, thesis or dissertation.

Scholarships, Awards and Financial Assistance

Teaching and Research Assistantships

School of Pharmacy assistantships are awarded on a competitive basis. Awards are generally appointments for 10 to 20 hours per week. Assistants are required to contribute to the academic program of the School of Pharmacy through laboratory assistance or in other service of academic character. Information on the current level of stipends and application for assistantships may be obtained from the respective Division Office. Persons receiving assistantships are expected to enroll in a minimum of six credit hours per term. In addition to their stipends, teaching and research assistants are eligible for a waiver of nonresident fees.

Judith Hemberger Graduate Scholarship

This scholarship is awarded to a female graduate student enrolled in the UMKC School of Pharmacy's Division of Pharmacology and Toxicology or Pharmaceutical Sciences, with a minimum grade-point average of 3.0. A United States citizen is preferred.

Richard D. Johnson Graduate Pharmaceutical Sciences Award

Eligible applicants must be a UMKC Pharm.D. graduate entering the Interdisciplinary Ph.D. program immediately after graduation with a high cumulative GPA. The $2,500 stipend is awarded during the first semester of the doctoral program. Financial need is not considered. For application procedures go to .

Robert C. Lanman Graduate Pharmacology Scholarship

Pharmacology-emphasis-area students may apply for one of two scholarship options. The first option requires the M.S. or Ph.D. pharmacology applicant to possess a minimum cumulative GPA of 3.0 and proof of financial need. The applicant must be fully admitted to the degree program and have successfully completed no less than two semesters of full-time coursework. The second option is for senior-level Interdisciplinary Ph.D. students with pharmacology as their emphasis area. The applicant must possess a minimum cumulative grade-point average of 3.0 and have successfully completed written and oral comprehensive exams. With this option, funds are to be used to offset the cost of dissertation preparation and/or to attend a scientific meeting at which an abstract of the dissertation research will be presented as first author. The recipient is selected by the Division of Pharmacology and Toxicology faculty and the school's scholarship and financial aid committee.

Thomas D. Ross Memorial Graduate Scholarship

An annual cash award established in memory of Thomas D. Ross is presented to recognize the superior pursuits of a graduate student in pharmacology. Selection preference will be given to the student who is a U.S. citizen, who is a Missouri resident and who is married.

Additional Sources of Support

The American Foundation for Pharmaceutical Education (AFPE) provides fellowships to aid graduate students who have completed at least one year in a school of pharmacy. Stipends provide for educational fees, books and partial personal needs. Applications are generally due in March and students must request application forms directly from AFPE. A statement of recommendation from the dean is required.

The United States Pharmacopeia (USP) Convention offers a maximum of eight annual fellowships of up to $12,000 to doctoral candidates for research projects related to developing or improving standards for drugs or drug products. Candidates must be endorsed by faculty serving on the USP advisory panel.

Refer to the School of Graduate Studies section of this catalog for other potential sources of financial support.

CONTINUING EDUCATION PROGRAM

The School of Pharmacy is making a significant contribution to members of the pharmaceutical profession and allied health professionals by providing continuing education in pharmacy for the improvement of professional competence as it relates to drug utilization in disease states. Area needs, as they are identified by the profession, are met through conferences, short courses, home-study courses and seminars. The School of Pharmacy has been accredited as a provider of continuing education by the Accreditation Council for Pharmacy Education. For detailed information on offerings and services available, contact the associate dean.

- 5507 Basic Pharmacology (3)
- 5509 Basic Toxicology (3)
- 5515 Drug Absorption, Distribution, Metabolism And Excretion (3)
- 5519 Pharmacology I (4)
- 5520 Pharmacology II (5)
- 5521 Advanced Organic Medicinal Chemistry (3)
- 5527 Analytical Methods (3)
- 5531 Physical Pharmacy Equilibria (3)
- 5533 Biopharmaceutics And Pharmacokinetics (4)
- 5550 Stability Of Pharmaceuticals (3)
- 5555 Religion, Culture And Health (3)
- 5580A Seminar In Pharmaceutical Sciences (1)
- 5580C Seminar In Pharmacology/Toxicology (1)
- 5590A Special Topics Pharmacy (1-3)
- 5590B Special Topics Pharmaceutical Chemistry (1-3)
- 5599A Research And Thesis Pharmacy (1-9)
- 5599B Research And Thesis Pharmaceutical Chemistry (1-9)
- 5599C Research And Thesis Pharmacology (1-9)
- 5606 Biochemical Toxicology (3)
- 5615 Methods In Pharmacology And Toxicology (3)
- 5616 Molecular Toxicology (3)
- 5625 Synthetic Medicinal Chemistry (3)
- 5631 Pharmaceutical Formulations I (3)
- 5632 Novel Drug Delivery Systems (3)
- 5633 Receptor Pharmacology And Signal Transduction (3)
- 5645 Cancer Biotechnology I (3)
- 5646 Cancer Biotechnology (3)
- 5690B Special Topics Pharmaceutical Chemistry (1-3)
- 5690BB Special Topics Toxicology (1-3)
- 5690C Special Topics Pharmacology (1-3)
- 5699A Research And Dissertation - Pharmacy (1-16)
- 5699B Research And Dissertation Pharmaceutical Chemistry (1-16)
- 5699BB Research And Dissertation Toxicology (1-16)
- 5699C Research And Dissertation Pharmacology (1-16)
- 5899 Required Graduate Enrollment (1)

PHARMACY (PHARM) COURSES

Faculty

FACULTY OF THE UNIVERSITY OF MISSOURI-KANSAS CITY

- College of Arts and Sciences
  - Architecture, Urban Planning and Design
  - Art and Art History
  - Chemistry
  - Communications Studies
  - Criminal Justice and Criminology
  - Economics
  - English Language and Literature
  - Foreign Languages and Literature
  - Geosciences
  - History
  - Mathematics
  - Philosophy
  - Physics
  - Political Science
  - Psychology
  - Social Work
  - Sociology
  - Theatre
- School of Biological Sciences
- Henry W. Bloch School of Business and Public Administration
- School of Computing and Engineering
- School of Dentistry
- School of Education
- School of Law
- Academic Librarians
- School of Medicine

- Conservatory of Music
- School of Nursing
- School of Pharmacy

Appendices

APPENDIX

Appendices

- Addresses/Phone Numbers
- Bookstores
- Policies and Procedures
- University of Missouri System Information

Addresses and Phone Numbers

CONTENT

Appendices

Addresses and Phone Numbers

The main telephone number of the University is (816) 235-**1000**. Operators are on duty 8 a.m. to 5 p.m. Monday through Friday to direct calls. Application and admission questions should be directed to (816) 235-**1111**.

The main University Web site is http://www.umkc.edu

The official mailing address for the Volker campus is:
University of Missouri - Kansas City
5100 Rockhill Road
Kansas City, MO 64110-2499

Addresses for the **Schools of Dentistry, Medicine, Nursing and Pharmacy** on the Hospital Hill campus are shown below. All other addresses are for locator purposes only.

Academic Units

College of Arts and Sciences,
Scofield Hall, 711 E. 51st Street, 816-235-**1136**, college@umkc.edu, cas.umkc.edu
School of Biological Sciences,
Biological Sciences Building, 5007 Rockhill Road, 816-235-**1388**, sbs-grad@umkc.edu, sbs.umkc.edu
Henry W. Bloch School of Business and Public Administration,
Bloch School, 5110 Cherry Street, 816-235-**2215**, bloch@umkc.edu, www.bloch.umkc.edu
School of Computing and Engineering,
Robert H. Flarsheim Science and Technology Hall, Room 534, 5110 Rockhill Road, 816-235-**2399**, sce@umkc.edu, www.sce.umkc.edu
School of Dentistry,
Dental School, 650 E. 25th Street, Kansas City, MO 64108-2784, 816-235-**2100**, dentistry@umkc.edu, dentistry.umkc.edu
School of Education,
Education Building, 615 E. 52nd Street, 816-235-**2234**, education@umkc.edu, www.umkc.edu/education
School of Graduate Studies,
Administrative Center, Room 300F, 5115 Oak Street, 816-235-**1161**, graduate@umkc.edu, www.umkc.edu/sgs
School of Law,
School of Law, 500 E. 52nd Street, 816-235-**1644**, law@umkc.edu, www.law.umkc.edu
School of Medicine,
School of Medicine, 2411 Holmes Street, Kansas City, MO 64108-2792, 816-235-**1808**, medicine@umkc.edu, www.med.umkc.edu
Conservatory of Music and Dance,

Performing Arts Center, 4949 Cherry Street, 816-235-**2900**, conservatory@umkc.edu, conservatory.umkc.edu

School of Nursing,
School of Nursing, Health Sciences Building, 2464 Charlotte Street, Kansas City, MO 64108, 816-235-**1700**, nurses@umkc.edu, nursing.umkc.edu

School of Pharmacy,
School of Pharmacy, Health Sciences Building, 2464 Charlotte Street, Kansas City, MO 64108, 816-235-**1609**, pharmacy@umkc.edu, pharmacy.umkc.edu

Departments of the College of Arts and Sciences

American Studies,
Haag Hall, Room 204G, 5120 Rockhill Road, 816-235-**1137**, am-st@umkc.edu, cas.umkc.edu/ams

Architecture, Urban Planning and Design,
Epperson House, 5200 Cherry Street, 816-235-**1725**, arch@umkc.edu, cas.umkc.edu/aupd

Art and Art History,
Fine Arts Building, Room 204, 5015 Holmes Street, 816 -235-**1501**, art@umkc.edu, cas.umkc.edu/art

Center on Aging Studies,
5215 Rockhill Road, 816-235-**1747**, Fax: 816-235-**5193**, breytspraakl@umkc.edu, cas.umkc.edu/cas

Chemistry,
Spencer Chemistry Building, 5009 Rockhill Road, 816-235-**2272**, Fax: 816-235-**5502**, umkc-chemdept@umkc.edu, cas.umkc.edu/chem

Classical and Ancient Studies,
816-235-**1305**, cas.umkc.edu/classics

Communication Studies,
Haag Hall, Room 202, 5120 Rockhill Road, 816-235-**1337**, Fax: 816-235-**5539**, com-s@umkc.edu, cas.umkc.edu/comm

Economics,
Haag Hall, Room 211, 5120 Rockhill Road, 816-235-**1314**, Fax: 816-235-**2834**, economics@umkc.edu, cas.umkc.edu/econ

English Language and Literature,
Cockefair Hall, Room 106, 5121 Rockhill Road, 816-235-**1305** or (816) 235-**1307**, Fax: 816-235-**1308**, english@umkc.edu, cas.umkc.edu/english

Foreign Languages and Literatures,
Scofield Hall, Room 216, 711 East 51st Street, 816-235-**1311**, Fax: 816-235-**1312**, frn-lg@umkc.edu, cas.umkc.edu/foreign

Geosciences,
Robert H. Flarsheim Science and Technology Hall, Room 420, 5110 Rockhill Road, 816-235-**1334**, Fax: 816-235-**5535**, geosciences@umkc.edu, cas.umkc.edu/geo

History,
Cockefair Hall, Room 203, 5121 Rockhill Road, 816-235-**1631**, Fax: 816-235-**5723**, history@umkc.edu, cas.umkc.edu/history

Honors Program,
Haag Hall, Room 204, 5120 Rockhill Road, 816-235-**2820**, Fax: 816-235-**5542**, umkchonors@umkc.edu, cas.umkc.edu/honors,

Hospitality Studies,
5300 Rockhill Road, 816-235-**5954**, hspt-st@umkc.edu, cas.umkc.edu/hospitality

Mathematics and Statistics,
Haag Hall, Room 206, 5120 Rockhill Road, 816-235-**1641**, math@umkc.edu, cas.umkc.edu/math

Military Science,
5322 Rockhill Road, 816-235-**1152**, armyrotc@umkc.edu

PACE/Program for Adult College Education,
Scofield Hall, Room 104 711 E. 51st Street, 816-235-**1588**, Fax: 816-235-**5760**, pace-pgm@umkc.edu, cas.umkc.edu/pace

Philosophy,
Cockefair Hall, Room 222, 5121 Rockhill Road, 816-235-**1331**, Fax: 816-235-**2819**, philosophy@umkc.edu, cas.umkc.edu/philosophy

Physics,
Robert H. Flarsheim Science and Technology Hall, Room 257, 5110 Rockhill Road, 816-235-**1604**, Fax: 816-235-**5221**, hinkkf@umkc.edu, cas.umkc.edu/physics

Political Science,
Haag Hall, Room 213, 5120 Rockhill Road, 816-235-**1326**, Fax: 816-235-**5594**, pol-sc@umkc.edu, cas.umkc.edu/polisci

Pre-Law Program,
Scofield Hall, Room 23, 711 E. 51st Street, 816-235-**6094**, cas.umkc.edu/prelaw

Psychology,
4825 Troost Avenue, suite 124, 816-235-**1318**, Fax: 816-235-**1062**, psychology@umkc.edu, cas.umkc.edu/psyc

Religious Studies,
Haag Hall, Room 204E, 5120 Rockhill Road, 816-235-**5704** or (816) 235-**5854**, Fax: 816-235-**5542**, rel-st@umkc.edu, cas.umkc.edu/religious_studies
School of Social Work,
4825 Troost Avenue, suite 106, 816-235-**1025**, Fax: 816-235-**6573**, soc-wk@umkc.edu, cas.umkc.edu/socialwork
Sociology / Criminal Justice and Criminology,
Haag Hall, Room 208, 5120 Rockhill Road, 816-235-**1116**, Fax: 816-235-**1117**, sociology@umkc.edu, cas.umkc.edu/soc
Theatre,
5319 Holmes Street, 816-235-**2702**, Fax: 816-235-**6552**, theatre@umkc.edu, cas.umkc.edu/theatre
Urban Studies,
Robert H. Flarsheim Science and Technology Hall, Room 420, 5110 Rockhill Road, 816-235-**2971**, Fax: 816-235-**5535**, drievers@umkc.edu
Women's and Gender Studies,
Haag Hall, Room 204B, 5120 Rockhill Road, 816-235-**2734**, Fax: 816-235-**5542**, wgs@umkc.edu, cas.umkc.edu/wgs

Departments and Offices

Academic Advising/Information,
Contact a specific department or school.
Admissions, Office of,
Administrative Center, Room 120, 5115 Oak Street, 816-235-**1111**, admit@umkc.edu, www.umkc.edu/admissions
Assistantships, Applications for,
Contact a specific department or school.
Athletics, Dept. of Intercollegiate,
Swinney Recreation Center, Room 201, 5030 Holmes Street, 816-235-**1036**, athletics@umkc.edu, www.umkc.edu/athletics
Berkley Child and Family Development Center,
Berkley Child and Family Enrichment Center, 1012 E. 52nd Street, 816-235-**2600**.
Bookstore, Hospital Hill Campus,
Health Sciences Building, 2418 Charlotte Street, 816-235-**2191**, umkchealthbooks@umkc.edu, http://www.umkchealthbooks.com
Bookstore, Volker Campus,
University Center, Mid-level, 5000 Rockhill Road, 816-235-**2665**, bookstore@umkc.edu, http://www.umkcbookstore.com
Call Center,
(816) 235-**2000**, umkciscallcenter@umkc.edu, http://www.umkc.edu/is/support/callcenter/ Technicians are on duty 7 am. - 7 pm. Monday - Thursday, 7 am. - 5 pm. Friday to provide computer support for the campus.
Counseling Services,
4825 Troost Avenue, suite 206, 816-235-**1635**, chtc@umkc.edu, www.umkc.edu/chtc
Disabled Student Services,
University Center, Room LL 23, 5000 Holmes Street, 816-235-**5696**, disability@umkc.edu, www.umkc.edu/disability
Diversity and Equity,
Administrative Center, Rooms 218A and 223, 5115 Oak Street, 816-235-**1323**, ode@umkc.edu, www.umkc.edu/adminfinance/eoaa
Fees (Cashier's Office),
Administrative Center, Room 112, 5115 Oak Street, 816-235-**1365**, cashiers@umkc.edu, www.umkc.edu/adminfinance/finance/cashiers
Financial Aid and Scholarships Office,
Administrative Center, Room 101, 5115 Oak Street, 816-235-**1154**, finaid@umkc.edu, www.sfa.umkc.edu
Housing, Residential Life Office,
Cherry Street Residence Hall, 5030 Cherry Street, 816-235-**8956**, housing@umkc.edu, www.umkc.edu/housing
Housing, Cherry Street Residence Hall Administrative Office,
Cherry Street Residence Hall, 5030 Cherry Street, 816-235-**2800**,
Housing, Oak Street Residence Hall Administrative Office,
Oak Street Residence Hall, 5051 Oak Street, 816-235-**8717**
Human Resources,
Administrative Center, Room 226, 5115 Oak Street, 816-235-**1621**, hr@umkc.edu, www.umkc.edu/adminfinance/hr
Information Center, Campus,
University Center, lobby, 5000 Holmes Street, 816-235-**5555**.
International Academic Programs, Center for
5325 Rockhill Road, 816-235-**5759**, international@umkc.edu, www.umkc.edu/iap
International Student Affairs, Office of,

International Student Affairs Office, 5235 Rockhill Road, 816-235-**1113**, isao@umkc.edu, www.umkc.edu/isao

Kansas City Repertory Theatre,
Performing Arts Center, Central Ticket Office, 4949 Cherry Street, 816-235-**2700**, http://www.kcrep.com

Minority Student Affairs,
5245 Rockhill Road, 816-235-**1109**, msa@umkc.edu, www.umkc.edu/msa

Parking Operations, Automobile Registration,
Administrative Center, Room 221, 5115 Oak Street, 816-235-**5256**, parking@umkc.edu, www.umkc.edu/adminfinance/parking

Police, UMKC,
4825 Troost Avenue, Room 213, 816-235-**1515**, www.umkc.edu/adminfinance/police

Registration, UMKC Registration Center,
Administrative Center, Room 115, 5115 Oak Street, 816-235-**1125**, registrar@umkc.edu, www.umkc.edu/registrar

Student Health and Wellness Center,
4825 Troost Avenue, Room 115, 816-235-**6133**, studenthealth@umkc.edu, www.umkc.edu/chtc/health

Student Life Office,
University Center, Room G6, 50th and Rockhill Road, 816-235-**1407**, stulife@umkc.edu, www.umkc.edu/stulife

Student Pharmacy,
4825 Troost Avenue, Room 115, 816-235-**6103**, studenthealth@umkc.edu, www.umkc.edu/studenthealth

Swinney Recreation Center,
Swinney Recreation Center, 5030 Holmes Street, 816-235-**1772**, src@umkc.edu, www.umkc.edu/src

Testing Services,
4825 Troost Avenue, Room 206, 816-235-**1635**, chtc@umkc.edu, www.umkc.edu/chtc/testing

Transfer Credit Policies, Admissions/Enrollment Services,
Administrative Center, Room 120, 5115 Oak Street, 816-235-**1111**, admit@umkc.edu, www.umkc.edu/admissions

Transcripts and Records, UMKC Records Office,
Administrative Center, Room 115, 5115 Oak Street, 816-235-**1121**, registrar@umkc.edu, www.umkc.edu/registrar

University News (UMKC Student Newspaper),
5327 Holmes Street, 816-235-**1393**, www.unews.com

Veterans Services, Veteran Affairs,
Administrative Center, Room 115, 5115 Oak Street, 816-235-**1112**.

Welcome Center,
Administrative Center, Room 120, 5115 Oak Street, 816-235-**8652**; (816) 235-**UMKC**, welcome@umkc.edu, www.umkc.edu/welcome

Women's Center,
Haag Hall, Room 105, 5120 Rockhill Road, 816-235-**1638**, womens-center@umkc.edu, www.umkc.edu/womenc

Writing Center,
The Writing Center, 5201 Rockhill Road, 816-235-**1146**, umkcwritingcenter@umkc.edu, cas.umkc.edu/writingcenter

Bookstores

Bookstores

BOOKSTORES

UMKC Bookstore

University Center , Mid-level
5000 Rockhill Road
(816) 235-**BOOK (2665)**
Fax: (816) 235-**1443**
bookstore@umkc.edu
http://www.umkcbookstore.com

Health Sciences Bookstore

Health Sciences Building
2418 Charlotte Street
(816) 235-**2191**
Fax: (816) 235-**2747**

umkchealthbooks@umkc.edu
http://www.umkchealthbooks.com

Manager: Pete Eisentrager

Owned and operated by the University of Missouri, the UMKC bookstores provide a wide array of educational materials and a variety of services. Student success hinges on having the necessary resources at the right time and the right price. At the main bookstore in University Center, students can find a wide array of educational materials and a variety of services to assist in their academic success. Required and recommended textbooks are immediately available, as well as numerous supplemental materials including general reference and study guides. The UMKC bookstore also carries bestsellers, fiction, non-fiction and academic titles as well as an assortment of school and office supplies. Need something special to show your college spirit? Come browse through our large selection of UMKC clothing and gifts. Other services for your convenience include:

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- Graduation Fairs
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- Special Order programs

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Policies and Procedures

POLICIES AND PROCEDURES

- Student Conduct
- Rules of Procedures in Student Conduct Matters
- Honor Codes - Schools of Pharmacy, Dentistry, Medicine, Nursing and and law
- Attendance Policy
- Acceptable Use Policy
- Policy on Student Records
- Procedure for Appeal of Grades
- Academic Amnesty Policy
- Academic Amnesty Procedures
- Equal Opportunity Procedures
  - Guidelines on Sex Discrimination
  - Guidelines on Discrimination on the Basis of Religion or National Origin
  - Guidelines on Sexual Harassment
  - Minimum Standards of Progress for Veterans
  - Discrimination Grievance Procedure for Students
- Policy on Positive Work and Learning Environment

EQUAL OPPORTUNITY PROCEDURES STUDENT CONDUCT

(200.010 Standard of Conduct; Amended Bd. Min. 3-20-81; Bd. Min. 8-3-90, Bd. Min 5-19-94; Bd. Min. 5-24-01.)

This policy is also available at http://www.umsystem.edu/ums/departments/gc/rules/programs/200/010.shtml.

A student enrolling in the University assumes an obligation to behave in a manner compatible with the University's function as an educational institution.

A. JURISDICTION OF THE UNIVERSITY OF MISSOURI generally shall be limited to conduct which occurs on the University of Missouri premises or at University-sponsored or University-supervised functions. However, nothing restrains the administration of the University of Missouri from taking appropriate action, including, but not limited to, the imposition of sanctions under Section 200.020 (C), against students for conduct on or off University premises in order to protect the physical safety of students, faculty, staff and visitors.

B. CONDUCT for which students are subject to sanctions falls into the following categories:

1. Academic dishonesty, such as cheating, plagiarism, or sabotage. The Board of Curators recognizes that academic honesty is essential for the intellectual life of the University. Faculty members have a special obligation to expect high standards of academic honesty in all student work. Students have a special obligation to adhere to such standards. In all cases of academic dishonesty, the instructor shall make an academic judgment about the student's grade on that work and in that course. The instructor shall report the alleged academic dishonesty to the Primary Administrative Officer.

a.
The term **cheating** includes but is not limited to:
(i)
use of any unauthorized assistance in taking quizzes, tests, or examinations;
(ii)
dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments;
(iii)
acquisition or possession without permission of tests or other academic material belonging to a member of the University faculty or staff; or
(iv)
knowingly providing any unauthorized assistance to another student on quizzes, tests, or examinations.

b.
The term **plagiarism** includes, but is not limited to:
(i)
use by paraphrase or direct quotation of the published or unpublished work of another person without fully and properly crediting the author with footnotes, citations or bibliographical reference;
(ii)
unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials; or
(iii)
unacknowledged use of original work/material that has been produced through collaboration with others without release in writing from collaborators.

c.
The term **sabotage** includes, but is not limited to, the unauthorized interference with, modification of, or destruction of the work or intellectual property of another member of the University community.

2. Forgery, alteration, or misuse of University documents, records or identification, or knowingly furnishing false information to the University.
3. Obstruction or disruption of teaching, research, administration, conduct proceedings, or other University activities, including its public service functions on or off campus.
4. Physical abuse or other conduct which threatens or endangers the health or safety of any person.
5. Attempted or actual theft of, damage to, or possession without permission of property of the University or of a member of the University community or of a campus visitor.
6. Unauthorized possession, duplication or use of keys to any University facilities or unauthorized entry to or use of University facilities.
7. Violation of University policies, rules or regulations or of campus regulations including, but not limited to, those governing residence in University-provided housing, or the use of University facilities, or the time, place and manner of public expression.
8. Manufacture, use, possession, sale or distribution of alcoholic beverages or any controlled substance without proper prescription or required license or as expressly permitted by law or University regulations, including operating a vehicle on University property, or on streets or roadways adjacent to and abutting a campus, under the influence of alcohol or a controlled substance as prohibited by law of the state of Missouri.
9. Disruptive or disorderly conduct or lewd, indecent, or obscene conduct or expression.
10. Failure to comply with directions of University officials acting in the performance of their duties.
11. The illegal or unauthorized possession or use of firearms, explosives, other weapons, or hazardous chemicals.
12. Misuse in accordance with University policy of computing resources, including but not limited to:
    a.
    Actual or attempted theft or other abuse.
    b.
    Unauthorized entry into a file to use, read, or change the contents, or for any other purpose.
    c.
    Unauthorized transfer of a file.
    d.
    Unauthorized use of another individual's identification and password.
    e.
    Use of computing facilities to interfere with the work of another student, faculty member, or University official.
    f.
    Use of computing facilities to interfere with normal operation of the University computing system.
    g.
    Knowingly causing a computer virus to become installed in a computer system or file.

RULES OF PROCEDURES IN STUDENT CONDUCT MATTERS

(200.020 Rules of Procedures in Student Conduct Matters; Bd. Min. 11-8-68, Amended Bd. Min. 3-20-81; Bd. Min. 12-8-89, Amended 5-19-94; Bd. Min. 5-24-01.)

This policy is also available at www.umsystem.edu/ums/departments/gc/rules/programs/200/020.shtml.

A. PREAMBLE. The following rules of procedure in student conduct matters are hereby adopted in order to insure insofar as possible and practicable

(a)
that the requirements of procedural due process in student conduct proceedings will be fulfilled by the University,
(b)
that the immediate effectiveness of Section 10.030, which is Article V of the Bylaws of the Board of Curators relating to student conduct and sanctions may be secured for all students in the University of Missouri, and
(c)
that procedures shall be definite and determinable within the University of Missouri.

B. DEFINITIONS. As used in these rules, the following definitions shall apply:

1. **Primary Administrative Officers.** As used in these procedures, the Chief Student Affairs Administrator on each campus is the Primary Administrative Officer except in cases of academic dishonesty, where the Chief Academic Administrator is the Primary Administrative Officer. Each Primary Administrative Officer may appoint designee(s) who are responsible for the administration of these conduct procedures, provided all such appointments must be in writing, filed with the Chancellor of the campus, and the office of General Counsel. The Primary Administrator's Office will certify in writing that the given designee has been trained in the administration of student conduct matters.
2. **Student Panel.** A panel of students appointed by the Chancellor, from which shall be selected by the Chair, upon the request of a student charged before the Student Conduct Committee, not more than three students to serve with the Student Conduct Committee.
3. **Student.** A person having once been admitted to the University who has not completed a course of study and who intends to or does continue a course of study in or through one of the campuses of the University. For the purpose of these rules, student status continues whether or not the University's academic programs are in session.
4. **Student Conduct Committee.** As used in these procedures, "Student Conduct Committee," hereinafter referred to as the Committee, is that body on each campus which is authorized to conduct hearings and to make dispositions under these procedures or a Hearing Panel of such body as herein defined.

C. SANCTIONS.

1. The following sanctions may be imposed upon any student found to have violated the Student Conduct Code; more than one of the sanctions may be imposed for any single violation:
    a.
    Warning. A notice in writing to the student that the student is violating or has violated institutional regulations.
    b.
    Probation. A written reprimand for violation of specified regulations. Probation is for a designated period of time and includes the probability of more severe sanctions if the student is found to be violating any institutional regulation(s) during the probationary period.
    c.
    Loss of Privileges. Denial of specified privileges for a designated period of time.
    d.
    Restitution. Compensation for loss, damage, or injury to the University or University property. This may take the form of appropriate service and/or monetary

or material replacement.

e. **Discretionary Sanctions**. Work assignments, service to the University, or other related discretionary assignments.

f. **Residence Hall Suspension**. Separation of the student from the residence halls for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified.

g. **Residence Hall Expulsion**. Permanent separation of the student from the residence halls.

h. **University Dismissal**. An involuntary separation of the student from the institution for misconduct apart from academic requirements. It does not imply or state a minimum separation time.

i. **University Suspension**. Separation of the student from the University for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified.

j. **University Expulsion**. Permanent separation of the student from the University.

3. **Temporary Suspension**. The Chancellor or Designee may at any time temporarily suspend or deny readmission to a student from the University pending formal procedures when the Chancellor or Designee finds and believes from available information that the presence of a student on campus would seriously disrupt the University or constitute a danger to the health, safety, or welfare of members of the University community. The appropriate procedure to determine the future status of the student will be initiated within seven calendar days.

D. RECORDS RETENTION. Student conduct records shall be maintained for five years after University action is completed.

E. POLICY AND PROCEDURES.

1. **Preliminary Procedures.** The Primary Administrative Officer/Designee(s) shall investigate any reported student misconduct before initiating formal conduct procedures and give the student the opportunity to present a personal version of the incident or occurrence. The Primary Administrative Officer/Designee(s) may discuss with any student such alleged misconduct and the student shall attend such consultation as requested by the Primary Administrative Officer/Designee(s). The Primary Administrative Officer/Designee(s), in making an investigation and disposition, may utilize student courts and boards and/or divisional deans to make recommendations.
2. **Informal Disposition.** The Primary Administrative Officer/Designee(s) shall have the authority to make a determination and to impose appropriate sanctions and shall fix a reasonable time within which the student shall accept or reject a proposed informal disposition. A failure of the student either to accept or reject within the time fixed may be deemed by the University to be an acceptance of the determination, provided the student has received written notice of the proposed determination and the result of the student's failure to formally reject and, in such event, the proposed disposition shall become final upon expiration of such time. If the student rejects informal disposition it must be in writing and shall be forwarded to the Committee. The Primary Administrative Officer/Designee(s) may refer cases to the Committee without first offering informal disposition.
3. **Formal Procedure and Disposition.**

a. **Student Conduct Committee**:

(1) The Committee shall be appointed by the Chancellor and shall have the authority to impose appropriate sanctions upon any student or students appearing before it.

(2) The Committee, when appropriate or convenient, may be divided by the Chair of the Committee into Hearing Panels, each panel to be composed of at least five Committee members, which may include a maximum of two students, present at the hearing, including a designated chair. A Hearing Panel has the authority of the whole Committee in those cases assigned to it. The Chair of the Committee or of a Hearing Panel shall count as one member of the Committee or Hearing Panel and have the same rights as other members.

(3) Each Chancellor shall appoint a panel of students, to be known as the Student Panel. Upon written request of a student charged before the Committee, made at least seventy-two (72) hours prior to the hearing, the Chair of the Committee or Hearing Panel shall appoint from the Student Panel not more than three students to sit with the Committee or two students to sit with the Hearing Panel (as stated in 4.a.(2)) for that particular case. When students from the Student Panel serve at the request of a student charged, they shall have the same rights as other members of the Committee or Hearing Panel.

b. **General Statement of Procedures.** A student charged with a breach of the Student Conduct Code is entitled to a written notice and a formal hearing unless the matter is disposed of under the rules for informal disposition. Student conduct proceedings are not to be construed as judicial trials and need not wait for legal action before proceeding; but care shall be taken to comply as fully as possible with the spirit and intent of the procedural safeguards set forth herein. The Office of the General Counsel shall be legal adviser to the Committee and the Primary Administrative Officer/Designee(s).

c. **Notice.** The Primary Administrative Officer/Designee(s) shall initiate student conduct proceedings by arranging with the Chair to call a meeting of the Committee and by giving written notice by certified mail or personal delivery to the student charged with misconduct. The notice shall set forth the date, time, and place of the alleged violation and the date, time, and place of the hearing before the Committee. Notice by certified mail may be addressed to the last address currently on record with the University. Failure by the student to have a current correct local address on record with the University shall not be construed to invalidate such notice. The notice shall be given at least seven (7) consecutive days prior to the hearing, unless a shorter time is fixed by the Chair for good cause. Any request for continuance shall be made in writing to the Chair, who shall have the authority to continue the hearing if the request is timely and made for good cause. The Chair shall notify the Primary Administrative Officer/Designee(s) and the student of the new date for the hearing. If the student fails to appear at the scheduled time, the Committee may hear and determine the matter.

4. **Right to Petition for Review:** (other than University expulsion, University dismissal, or University suspension)

a. In all cases where the sanction imposed by the Committee is other than University expulsion, University dismissal, or University suspension, the Primary Administrative Officer/Designee(s) or the student may petition the Chancellor or Designee in writing for a review of the decision within five (5) calendar days after written notification. A copy of the Petition for Review must also be served upon the nonappealing party within such time. The Petition for Review shall state the grounds or reasons for review, and the nonappealing party may answer the petition within five (5) calendar days.

b. The Chancellor or Designee may grant or refuse the right of review. In all cases where the Petition for Review is refused, the action of the Committee shall be final. If the Chancellor or Designee reviews the decision, the action of the Chancellor shall be final unless it is to remand the matter for further proceedings.

5. **Right of Appeal:** (University expulsion, University dismissal, or University suspension only)

a. When a student is expelled, dismissed, or suspended from the University by the Committee, the Primary Administrative Officer/Designee(s), or the student may appeal such decision to the Chancellor or Designee by filing written notice of appeal with the Chancellor within ten (10) calendar days after notification of the decision of the Committee. A copy of the Notice of Appeal will contemporaneously be given by the student to the Primary Administrative Officer/Designee(s) or by the Primary Administrative Officer/Designee(s) to the student. The appealing party may file a written memorandum for consideration by the Chancellor with the Notice of Appeal, and the Chancellor may request a reply to such memorandum by the appropriate party.

b. The Chancellor or Designee shall review the record of the case and the appeal documents and may affirm, reverse, or remand the case for further proceedings and shall notify each party in writing of the decision on the appeal. The action of the Chancellor shall be final unless it is to remand the matter for further proceedings.

6. **Status During Appeal.** In cases of suspension, dismissal, or expulsion where a Notice of Appeal is filed within the required time, a student may petition the Chancellor in writing for permission to attend classes pending final determination of appeal. The Chancellor may permit a student to continue in school under such conditions as may be designated pending completion of appellate procedures, provided such continuance will not seriously disrupt the University or constitute a danger to the health, safety, or welfare of members of the University community. In such event, however, any final sanctions imposed shall be effective from the date of the action of the Committee.
7. **Student Honor System.** Forums under the student honor systems established for investigating facts, holding hearings, and recommending and imposing sanctions are authorized when the student honor code or other regulations containing well defined jurisdictional statements and satisfying the requirements of Section 10.030, which is Article V of the Bylaws of the Board of Curators, have been reduced to writing and have been approved by the Chancellor and the Board of Curators and notice thereof in writing has been furnished to students subject thereto. Though the student honor system has jurisdiction, together with procedures set forth therein, instead of the Primary Administrative Officer/Designee(s), the standard of conduct called for in any such student honor system shall be deemed to contain at a minimum the same standards set forth in Section 200.010, entitled Standards of Conduct. Procedures shall satisfy the requirements of the Board of Curators' Bylaws, Section 10.030, which is Article V, and shall contain procedures herein before stated insofar as appropriate and adaptable to the particular situation and shall be approved by the

Chancellor and the General Counsel. Students subject to student honor systems shall have the rights of appeal as set forth in Section 200.020 E.6 and 7.

F. Hearing Procedures.

1. **Conduct of Hearing.** The Chair shall preside at the hearing, call the hearing to order, call the roll of the Committee in attendance, ascertain the presence or absence of the student charged with misconduct, read the notice of hearing and charges and verify the receipt of notices of charges by the student, report any continuances requested or granted, establish the presence of any adviser or counselor of the student, and call to the attention of the student charged and the adviser any special or extraordinary procedures to be employed during the hearing and permit the student to make suggestions regarding or objections to any procedures for the Conduct Committee to consider.
   a.
      Opening Statements.
      (1)
         The Primary Administrative Officer/Designee(s) shall make opening remarks outlining the general nature of the case and testify to any facts the investigation has revealed.
      (2)
         The student may make a statement to the Committee about the charge at this time or at the conclusion of the University's presentation.
   b.
      University Evidence.
      (1)
         University witnesses are to be called and identified or written reports of evidence introduced as appropriate.
      (2)
         The Committee may question witnesses at any time.
      (3)
         The student or, with permission of the Committee, the adviser or counselor may question witnesses or examine evidence at the conclusion of the University's presentation.
   c.
      Student Evidence.
      (1)
         If the student has not elected to make a statement earlier under a. (2) above, the student shall have the opportunity to make a statement to the Committee about the charge.
      (2)
         The student may present evidence through witnesses or in the form of written memoranda.
      (3)
         The Committee may question the student or witnesses at any time. The Primary Administrative Officer/Designee(s) may question the student or witnesses.
   d.
      Rebuttal Evidence. The Committee may permit the University or the student to offer a rebuttal of the other's presentation.
   e.
      Rights of Student Conduct Committee. The Committee shall have the right to:
      (1)
         Hear together cases involving more than one student which arise out of the same transaction or occurrence, but in that event shall make separate findings and determinations for each student;
      (2)
         Permit a stipulation of facts by the Primary Administrative Officer/Designee(s) and the student involved;
      (3)
         Permit the incorporation in the record by reference of any documentation, produced and desired in the record by the University or the student charged;
      (4)
         Question witnesses or challenge other evidence introduced by either the University or the student at any time;
      (5)
         Hear from the Primary Administrative Officer/Designee(s) about dispositions made in similar cases and any dispositions offered to the student appearing before the Committee;
      (6)
         Call additional witnesses or require additional investigation;
      (7)
         Dismiss any action at any time or permit informal disposition as otherwise provided;
      (8)
         Permit or require at any time amendment of the Notice of Hearing to include new or additional matters which may come to the attention of the Committee before final determination of the case; provided, however, that in such event the Committee shall grant to the student or Primary Administrative Officer/Designee(s) such time as the Committee may determine reasonable under the circumstances to answer or explain such additional matters;
      (9)
         Dismiss any person from the hearing who interferes with or obstructs the hearing or fails to abide by the rulings of the Chair of the Committee;
      (10)
         Suspend summarily students from the University who, during the hearing, obstruct or interfere with the course of the hearing or fail to abide by the ruling of the Chair of the Committee on any procedural question or request of the Chair for order.
2. **Student's Rights Upon Hearing.** A student appearing before a Committee shall have the right to:
   a.
      Be present at the hearing;
   b.
      Have an adviser or counselor and to consult with such adviser or counselor during the hearing;
   c.
      Have students from the Student Panel sit with the Committee or Hearing Panel;
   d.
      Hear or examine evidence presented to the Committee;
   e.
      Question witnesses present and testifying;
   f.
      Present evidence by witnesses or affidavit;
   g.
      Make any statement to the Committee in mitigation or explanation of the conduct in question;
   h.
      Be informed in writing of the findings of the Committee and any sanctions it imposes; and
   i.
      Request review or appeal to the Chancellor as herein provided.
3. **Determination by Student Conduct Committee.** The Committee shall then make its findings and determinations in executive session out of the presence of the Primary Administrative Officer/Designee(s) and the student charged. Separate findings are to be made:
   a.
      As to the conduct of the student, and
   b.
      On the sanctions, if any, to be imposed. No sanctions shall be imposed on the student unless a majority of the Committee present is reasonably convinced by the evidence that the student has committed the violation charged.
4. **Official Report of Findings and Determinations.** The Committee shall promptly consider the case on the merits and make its findings and determination and transmit them to the Primary Administrative Officer/Designee(s) and the student charged forthwith.
5. **Other Procedural Questions.** Procedural questions which arise during the hearing not covered by these general rules shall be determined by the Chair, whose ruling shall be final unless the Chair shall present the question to the Committee at the request of a member of the Committee, in which event the ruling of the Committee by majority vote shall be final.
6. **General Rules of Decorum.** The following general rules of decorum shall be adhered to:
   a.
      All requests to address the Committee shall be addressed to the Chair.

b. The Chair will rule on all requests and points of order and may consult with Committee's legal adviser prior to any ruling. The Chair's ruling shall be final and all participants shall abide thereby, unless the Chair shall present the question to the Committee at the request of a member of the Committee, in which event the ruling of the Committee by majority vote shall be final.

c. Rules of common courtesy and decency shall be observed at all times.

d. An adviser or counselor may be permitted to address the Committee at the discretion of the Committee. An adviser or counselor may request clarification of a procedural matter or object on the basis of procedure at any time by addressing the Chair after recognition.

7. **Record of Hearing.** A taped or stenographic record of the hearing shall be maintained. The notice, exhibits, hearing record, and the findings and determination of the Committee shall become the "Record of the Case" and shall be filed in the Office of the Primary Administrative Officer/Designee(s) and for the purpose of review or appeal be accessible at reasonable times and places to both the University and the student.
8. **Crimes of Violence and Non-Forcible Sex Offences.** In cases of alleged crimes of violence and non-forcible sex offences:
   a. The alleged victim is entitled to have an adviser or counselor present during his or her participation in the hearing.
   b. The alleged victim and the accused shall be informed of the outcome of any campus disciplinary proceeding brought alleging a crime of violence or non-forcible sexual assault.

ATTENDANCE POLICY

General Principles

- Students are expected to attend and participate in classes.
- Advance notice of attendance policies of academic units and individual instructors should be given, and such notice should be in writing.
- Students should notify instructors of excused absences in advance, where possible.
- Students who have an excused absence are expected to make arrangements with instructors for alternative or make-up work. Such arrangements should be made in advance of the absence, where possible.
- Instructors should accommodate excused absences to the extent that an accommodation can be made that does not unreasonably interfere with the learning objectives of the course or unduly burden the instructor.
- Attendance policies shall be applied in a non-discriminatory manner.

The Policy

Each academic unit and instructor may adopt an attendance policy appropriate to that unit, a particular field of study, or for a specific course. Such policy or policies must be consistent with the general principles, and must give students advance notice in writing. In the case of an academic unit, notice may be given in the appropriate section of the General Catalog, or in other materials provided to students for the purpose of informing them of the rules and regulations of the academic unit. In the case of an individual instructor, notice of an attendance policy should be given in the course syllabus.

If neither the academic unit nor the instructor has adopted an attendance policy, or if proper advance notice of the attendance policy was not given, the UMKC general attendance policy will govern. The general attendance policy is that students shall not be penalized for excused absences. "Excused absences" include absences due to illness of the student, illness of an immediate family member for whom the student must care, death of an immediate family member, religious observance (where the nature of the observance prevents the student from being present during class), representation of UMKC in an official capacity, and other compelling circumstances beyond the student's control. Students seeking an excused absence must provide documentation upon request to substantiate the excuse. Students with excused absences shall undertake appropriate make-up or alternative work to be provided by instructors of the courses in which excused absences were incurred.

Complaints concerning the application of an attendance policy or an instructor's attendance policy should be raised with the Department Chair of the instructor, or with the Dean if there is no Department Chair or the instructor is the Department Chair. If the student or instructor is not satisfied with the resolution of the complaint, the matter may be appealed to the Dean and to the Division of Academic Affairs. Complaints concerning the adoption or modification of an attendance policy by an academic unit should be raised with the Division of Academic Affairs. Complaints are to be promptly addressed at each level of review.

This policy was approved July, 2002 and effective Fall, 2002.

ACCEPTABLE USE POLICY

(110.005 Acceptable Use Policy; Bd. Min. 9-14-00.)

This policy is also available at http://www.umsystem.edu/ums/departments/gc/rules/facilities/110/005.shtml.

This policy applies to all users including faculty, staff, students, and guest users of University of Missouri computer networks, equipment, or connecting resources.

A. UNIVERSITY INSPECTION OF PERSONAL ELECTRONIC INFORMATION -- Electronic information on University networks or equipment, including, but not limited to, electronic mail and personal information, is subject to examination by the University where:

1. It is necessary to maintain or improve the functioning of University computing resources;
2. Where there is a suspicion of misconduct under University policies, or suspicion of violation of Federal or State laws; or
3. It is necessary to comply with or verify compliance with Federal or State law.

B. ACCEPTABLE USE GUIDELINES

1. Responsibilities of Users of University Computer Resources:
   a. Respect the intellectual property rights of authors, contributors, and publishers in all media.
   b. Protect user ID, password, and system from unauthorized use.
   c. Adhere to the terms of software licenses and other contracts. Persons loading software on any University computer must adhere to all licensing requirements for the software. Except where allowed by University site licenses, copying software licensed for University use for personal use is a violation of this policy.
   d. Adhere to other University and campus policies, including the Collected Rules and Regulations of the University of Missouri, and, if applicable, the University Business Policy Manual, Human Resources Manual and policies established for a specific resource.
   e. Adhere to data access policies of the University or those established by law.
   f. Use University computer resources in a manner that is compliant with University policies and State and Federal law.
2. Prohibited Uses of University Computer Resources:
   a. Unauthorized or excessive personal use. Use may be excessive if it overburdens a network, results in substantial use of system capacity, or otherwise subjects the institution to increased costs or risks (employees additionally may be subject to discipline for unauthorized or excessive personal use of computer resources).
   b. Uses that interfere with the proper functioning of the University's information technology resources.

c. Uses that unreasonably interfere with the ability of others to make use of University computer resources.

d. Attempting to gain or gaining unauthorized access to the computer system, or files of another.

e. Use of University computer resources to infringe the intellectual property rights of others.

f. Use of University computer resources for personal profit, except as permitted under the University's conflict of interest policy.

C. ENFORCEMENT OF ACCEPTABLE USE POLICY -- Violation of the Acceptable Use Policy may result in a denial of access to University computer resources, and those disciplinary actions provided or authorized by the Collected Rules and Regulations of the University of Missouri.

Students who violate these guidelines will be subject to sanctions as outlined in section 200.010 of the Student Conduct Code. All such cases will be forwarded to the Primary Administrative Officer in the Student Life Office for appropriate action.

Faculty or staff who violate these guidelines will be subject to disciplinary measures as outlined within the University Policy Manuals.

Violations of some of the above guidelines may constitute a criminal offense. Individuals using UMKC computing resources are urged to review the University Policy Manual, Computer Crimes Bill passed by the Missouri State Legislature and the MOREnet Acceptable Use Policy, all of which are stored on-line for easy access.

POLICY ON STUDENT RECORDS

(180.020 Student Records; Bd. Min. 6-10-59, p. 15,059; Bd. Min. 2-28-75; Amended 3-18-77; Bd. Min. 5-24-01.)

This policy is also available at http://www.umsystem.edu/ums/departments/gc/rules/information/180/020.shtml.

A. PURPOSE. The purpose of this regulation is to set forth the guidelines governing the protection of the privacy of student records and to implement The Family Educational Rights and Privacy Act of 1974 (Buckley Amendment; Pub. L. 93-380, as amended). These regulations apply to all students who are or have attended the University of Missouri.

B. DEFINITIONS.

1. **"Act"** means the Family Educational Rights and Privacy Act of 1974, as amended, enacted as Section 444 of the General Education Provisions Act.
2. **"Attendance"** at the University includes, but is not limited to:
   a. The period of time during which a student attends the University. Examples of dates of attendance include an academic year, a spring semester, or a first quarter.
   b. The term does not include specific daily records of a student's attendance at the University.
3. **"Directory Information/Public Information"** includes a student's name, address, e-mail address, telephone listing, date and place of birth, major field of study, participation in officially recognized activities and sports, weight and height of members of athletic teams, dates of attendance, degrees and awards received, the most recent previous educational agency or institution attended by the student, student level, and full- or part-time status.
4. **"Disclosure"** means to permit access to or the release, transfer, or other communication of personally identifiable information contained in education records to any party, by any means, including oral, written, or electronic means.
5. **"Education Records"**
   a. The term means those records that are:
      (1) Directly related to a student; and
      (2) Maintained by the University or by a party acting for the University.
   b. The term does not include:
      (1) Records that are kept in the sole possession of the maker of the record, and are not accessible or revealed to any other person except a temporary substitute for the maker of the record;
      (2) Records of a law enforcement unit of the University, but only if education records maintained by the University are not disclosed to the unit, and the law enforcement records are:
         (a) Maintained separately from education records;
         (b) Maintained solely for law enforcement purposes; and
         (c) Disclosed only to law enforcement officials of the same jurisdiction;
      (3) (i) Records relating to an individual who is employed by the University, that:
            (a) Are made and maintained in the normal couse of business;
            (b) Relate exclusively to the individual in that individual's capacity as an employee; and
            (c) Are not available for use for any other purpose.
         (ii) Records relating to an individual in attendance at the University who is employed as a result of his or her status as a student are education records and not excepted under Section 180.020 B.5.b (3) of this definition.
      (4) Records on a student who is attending the University, that are:
         (a) Made or maintained by a physician, psychiatrist, psychologist or other recognized professional or paraprofessional acting in his or her professional capacity or assisting in a paraprofessional capacity;
         (b) Made, maintained, or used only in connection with treatment of the student; and
         (c) Disclosed only to individuals providing the treatment. For the purpose of this definition, **"treatment"** does not include remedial educational activities or activities that are part of the program of instruction at the University; and
      (5) Records that only contain information about an individual after he or she is no longer a student at the University.
6. **"Parent"** means a natural parent, an adoptive parent or the legal guardian of the student.
7. **"Party"** means an individual, agency, institution or organization.
8. **"Personally identifiable information,"** includes:
   a. The student's name;
   b.

The name of the student's parent or other family member;

c. The address of the student or student's family;

d. A personal identifier, such as the student's social security number or student number;

e. A list of personal characteristics that would make the student's identity easily traceable; or

f. Other information that would make the student's identity easily traceable.

12. **"Record"** means information or data recorded in any medium, including, but not limited to handwriting, print, computer media, video or audio tape, film, microfilm, and microfiche.
13. **"Student"** means any person who is or has been in attendance at the University where the University maintains education records or personally identifiable information on such person. However, the term does not include a person who has not been in attendance at the University of Missouri.
14. **"University Official"** is a person employed by the University in an administrative, supervisory, academic or research, or support staff position (including law enforcement unit personnel and health staff); a person or company with whom the University has contracted (such as an attorney, auditor, or collection agent); a person serving on the Board of Trustees; or a student serving on an official committee, such as a disciplinary or grievance committee, or assisting another school official in performing his or her tasks.

C. NOTIFICATION OF ACCESS RIGHTS BY THE UNIVERSITY.

1. The University shall annually notify students currently in attendance of their rights under the Act.
2. Notice must be included in each campus' information manual, or other publication, and must inform students that they have the right to:
   a. Inspect and review the student's education records;
   b. Seek amendment of the student's education records that the student believes to be inaccurate, misleading, or otherwise in violation of the student's privacy rights;
   c. Consent to disclosures of personally identifiable information contained in the student's education records, except to the extent that the Act and Section 180.020 M authorize disclosure without consent; and
   d. File with the Department of Education's Family Policy Compliance Office a complaint under Sections 99.63 and 99.64 of the Act concerning alleged failures by the University to comply with the requirements of the Act.
3. The notice must include all of the following:
   a. The procedure for exercising the right to inspect and review education records;
   b. The procedure for requesting amendment of records under Section 180.020 I; and
   c. A specification of criteria for determining who constitutes a school official and what constitutes a legitimate educational interest, as listed in Section 180.020 M.1.a.
4. The University may provide this notice by any means that are reasonably likely to inform the students of their rights. The University shall effectively notify students who are disabled.

D. RECORDS OF THE UNIVERSITY'S LAW ENFORCEMENT UNIT.

1. **"Law enforcement unit"** means any individual, office, department, division or other component of the University, such as the University of Missouri Police Department or noncommissioned security guards, that is officially authorized or designed by the University to:
   a. Enforce any local, state or federal law, or refer to appropriate authorities a matter for enforcement of any local, state or federal law against any individual or organization other than the University itself; or
   b. Maintain the physical security and safety of the University.
2. A component of the University does not lose its status as a **"law enforcement unit"** if it also performs other, non-law enforcement functions for the University, including investigation of incidents or conduct that constitutes or leads to a disciplinary action or proceedings against the student.
3. **"Records of law enforcement unit"** means those records, files, documents, and other materials that are:
   a. Created by a law enforcement unit;
   b. Created for a law enforcement purpose; and
   c. Maintained by the law enforcement unit.
4. **"Records of law enforcement unit"** does not mean:
   a. Records created by a law enforcement unit for a law enforcement purpose that are maintained by a component of the University other than the law enforcement unit; or
   b. Records created and maintained by a law enforcement unit exclusively for a non-law enforcement purpose, such as disciplinary action or proceeding conducted by the University.
5. The University may contact its law enforcement unit, orally or in writing, for the purpose of asking that unit to investigate a possible violation of, or to enforce, any local, state or federal law.
6. Education records, and personally identifiable information contained in education records, do not lose their status as education records and remain subject to the Act, as well as the disclosure provisions of Section 180.020 L, while in possession of the law enforcement unit.

E. RIGHTS OF INSPECTION AND REVIEW OF EDUCATION RECORDS.

1. The University shall provide students access to their educational records except as provided in Section 180.020 G.
2. The University shall comply with a request within a reasonable period of time, but in no case more than 45 days after the request has been received.
3. The University shall respond to reasonable requests for explanations and interpretations of those records.
4. If circumstances effectively prevent the student from exercising the right to inspect and review the student's education records, the University shall:
   a. Provide the student with a copy of the records requested; or
   b. Make other arrangements for the student to inspect and review the requested records.
5. The University shall not destroy any education records if there is an outstanding request to inspect and review the records under this section.

F. FEES FOR COPIES OF EDUCATIONAL RECORDS.

1. Unless the imposition of a fee effectively prevents a student from exercising the right to inspect and review the student's education records, the University may impose a reasonable fee for reproduction costs. This fee will not exceed the actual cost of production.
2. The University shall not charge a fee to search for or to retrieve the education records of a student.

G. LIMITATION ON ACCESS.

1. If the education records of a student contain information on more than one student, the student may inspect and review or be informed of only the specific information about that student.
2. The University will not permit a student to inspect and review education records that are:
   a. Financial records, including any information those records contain, of his or her parents;
   b. Confidential letters and confidential statements of recommendation placed in the education records of the student before January 1, 1975, as long as the statements are used only for the purposes for which they were specifically intended; and
   c.

Confidential letters and confidential statements of recommendation placed in the student's education records after January 1, 1975, if:

(1) The student has waived his or her right to inspect and review those letters and statements; and

(2) Those letters and statements are related to the student's:

(a) Admission to the University;

(b) Application for employment; or

(c) Receipt of an honor or honorary recognition.

H. WAIVERS.

1. A waiver under Section 180.020 G is valid only if:
   a. The University does not require the waiver as a condition for admission to or receipt of a service or benefit from the University; and
   b. The waiver is made in writing and signed by the student, regardless of age.
2. If a student has waived his or her rights under Section 180.020 G, the University shall:
   a. Give the student, on request, the names of the individuals who provided the letters and statements of recommendation; and
   b. Use the letters and statements of recommendation only for the purpose for which they were intended.
3. A waiver under Section 180.020 G may be revoked with respect to any actions occurring after the revocation. A revocation must be in writing.

I. AMENDMENT OF EDUCATION RECORDS.

1. If a student believes the education records relating to the student contain information that is inaccurate, misleading, or in violation of the student's rights of privacy, he or she may ask the University to amend the record by contacting the University Registrar.
2. The University shall decide whether to amend the record as requested within a reasonable time after the request is received.
3. If the University decides not to amend the record as requested, the University Registrar shall inform the student of its decision and of his or her right to a hearing under Section 180.020 J.

J. RIGHTS TO A HEARING.

1. The University shall give a student, on request, an opportunity for a hearing to challenge the content of the student's education records on the grounds that the information contained in the education records is in violation of the privacy rights of the student.
2. If, as a result of the hearing, the University decides that the information is inaccurate, misleading, or otherwise in violation of the privacy rights of the student, it shall:
   a. Amend the record accordingly; and
   b. Inform the student of the amendment in writing.
3. If, as a result of the hearing, the University decides that the information in the education record is not inaccurate, misleading, or otherwise in violation of the privacy rights of the student, it shall inform the student of the right to place a statement in the record commenting on the contested information in the record or stating why he or she disagrees with the decision of the University, or both.
4. If the University places a statement in the education records of a student, it shall:
   a. Maintain the statement with the contested part of the record for as long as the record is maintained; and
   b. Disclose the statement whenever it discloses the portion of the record to which the statement relates.

K. CONDUCT OF A HEARING. Upon the request of the University official charged with custody of the records of the student, the hearing required by Section 180.020 J shall be conducted.

1. The request for a hearing shall be submitted in writing to the campus Chancellor, who will appoint a hearing officer or a hearing committee to conduct the hearing.
2. The hearing shall be conducted and decided within a reasonable period of time following the request for the hearing. The University shall give the student notice of the date, time, and place, reasonably in advance of the hearing.
3. The hearing shall be conducted and the decision rendered by an appointed hearing official or officials who shall not have a direct interest in the outcome of the hearing.
4. The student shall be afforded a full and fair opportunity to present evidence relevant to the hearing, and may be assisted or represented by individuals of his or her choice at his or her own expense, including an attorney.
5. The decision of the University shall be based solely upon the evidence presented at the hearing and shall include a summary of the evidence and the reasons for the decision.
6. The decision shall be rendered in writing within a reasonable period of time after the conclusion of the hearing.
7. Either party may appeal the decision of the hearing official or officials to the campus Chancellor.

L. CONDITIONS UNDER WHICH PRIOR CONSENT IS REQUIRED.

1. The student shall provide a signed and dated written consent before the University discloses personally identifiable information from the student's education records, except as provided in Section 180.020 M.
2. The written consent must:
   a. Specify the records that may be disclosed;
   b. State the purpose of the disclosure; and
   c. Identify the party or class of parties to whom the disclosure may be made.
3. If a student so requests, the University shall provide him or her with a copy of the records disclosed.

M. CONDITIONS UNDER WHICH PRIOR CONSENT IS NOT REQUIRED.

1. The University may disclose personally identifiable information from an education record of a student without the consent required by Section 180.020 L if the disclosure meets one or more of the following conditions:
   a. The disclosure is to other University officials, including teachers, within the University who have been determined by the University to have legitimate educational interests. A University official has a legitimate educational interest if the official needs to review an education record in order to fulfill his or her professional responsibility.
   b. The disclosure is to officials of other schools or school systems in which the student seeks or intends to enroll, upon condition that the student is notified of the transfer, receives a copy of the record if requested, and has an opportunity for a hearing to challenge the content of the record.
   c. The disclosure is, subject to the requirements of Section 180.020 P, to authorized representatives of:
      (1) The Comptroller General of the United States;
      (2) The Attorney General of the United States;
      (3) The Secretary; or
      (4) State and local educational authorities.
   d. The disclosure is in connection with financial aid - defined as a payment of funds provided to an individual (or a payment in kind of tangible or intangible property to the individual) that is conditioned on the individual's attendance at the University - for which the student has applied or which the student has received, if the information is necessary for such purposes as to:

(1)
Determine eligibility for the aid;
(2)
Determine the amount of the aid;
(3)
Determine the conditions for the aid; or
(4)
Enforce the terms and conditions of the aid.

e.
The disclosure is to state and local officials or authorities to which such information is specifically required to be reported or disclosed pursuant to a state statute adopted prior to November 19, 1974.

f.
The disclosure is to organizations conducting studies for, or on behalf of, educational agencies or institutions to develop, validate, or administer predictive tests, administer student aid programs, or improve instruction. Such studies are to be conducted in such a manner as will not permit the personal identification of students or their parents by persons other than representatives of the organization, and this information will be destroyed when no longer needed for the purpose for which the study is conducted.

g.
The disclosure is to accrediting organizations to carry out their accrediting functions.

h.
The disclosure is to parents of a dependent student, as defined in Section 152 of the Internal Revenue Code of 1986, as amended.

i.
The disclosure is to comply with a lawfully issued subpoena.
(1)
The University may disclose this information only if it makes a reasonable effort to notify the student of the order or subpoena in advance of compliance, so that the student may seek protective action, unless the disclosure is in compliance with --
(a)
A federal grand jury subpoena and the court has ordered that the existence or the contents of the subpoena or the information furnished in response to the subpoena not be disclosed; or
(b)
Any other subpoena issued for a law enforcement purpose and the court or other issuing agency has ordered that the existence or the contents of the subpoena or the information furnished in response to the subpoena not be disclosed.
(2)
If the University initiates legal action against a parent or student, the University may disclose to the court, without a court order or subpoena, the education records of the student that are relevant for the University to process with the legal action as plaintiff.
(3)
If a parent or eligible student initiates legal action against the University, the University may disclose to the court, without a court order or subpoena, the student's education records that are relevant for the University to defend itself.

j.
The disclosure is in connection with a health or safety emergency, under the conditions described in Section 180.020 Q.

k.
The disclosure is information the University has designated as **"directory information,"** under the conditions described in Section 180.020 R.

l.
The disclosure is to the student.

m.
The disclosure, subject to the requirements in Section 180.020 S, is to a victim of an alleged perpetrator of a crime of violence or a non-forcible sex offense. The disclosure may include only the final results of the disciplinary proceeding conducted by the University with respect to that alleged crime or offense. The University may disclose the final results of the disciplinary proceeding, regardless of whether the University concluded a violation was committed.

n.
(i)
The disclosure, subject to the requirements in Section 180.020 S, is in connection with a disciplinary proceeding at the University providing that the University determines that:
(1)
The student is an alleged perpetrator of a crime of violence or non-forcible sex offense; and
(2)
With respect to the allegation made against him or her, the student has committed the violation of the University's rules or policies.
(ii)
The University may not disclose the name of any other student, including a victim or witness, without the prior written consent of the other student.
(iii)
This section applies only to disciplinary proceedings in which the final results were reached on or after October 7, 1998.

o.
The disclosure is to a parent of a student under the age of twenty-one at the time of disclosure, and is limited to a determination that the student violated University regulations pertaining to the use or possession of alcohol or a controlled substance, as provided by and under the restrictions contained in Section 180.025.

N. RECORD KEEPING.

1. The University shall maintain a record of each request for access to and each disclosure of personally identifiable information from the education records of each student, for as long as the records are maintained.
2. For each request or disclosure the record must include:
   a.
   The parties who have requested or received personally identifiable information from the education records; and
   b.
   The legitimate interests the parties had in requesting or obtaining the information.
3. If the University discloses personally identifiable information from an education record with the understanding authorized under Section 180.020 O.2, the record of the disclosure required under this section must include:
   a.
   The names of the additional parties to which the receiving party may disclose the information on behalf of the University; and
   b.
   The legitimate interests under Section 180.020 M which each of the additional parties has in requesting or obtaining the information.
4. The following parties may inspect the record relating to each student:
   a.
   The student;
   b.
   The school official or his or her assistants who are responsible for the custody of the records; and
   c.
   Those parties authorized in Section 180.020 M.1.a and M.1.c for the purposes of auditing the record keeping procedures of the University.
5. Paragraph 1 of this section does not apply if the request was from, or the disclosure was to:
   a.
   The student;
   b.
   A University official under Section 180.020 M.1.a;
   c.
   A party with written consent from the student;
   d.
   A party seeking directory information; or
   e.
   A party seeking or receiving the records as directed by a federal grand jury or other law enforcement subpoena and the issuing court or other issuing agency has ordered that the existence or the contents of the subpoena or the information furnished in response to the subpoena not be disclosed.

O. LIMITATIONS TO THE REDISCLOSURE OF INFORMATION.

1. The University may disclose personally identifiable information from an education record only on the condition that the party to whom the information is disclosed will not disclose the information to any other party without the prior consent of the student. The officers, employees, and agents of a party that receives information may use the information, but only for the purposes for which the disclosure was made.
2. This does not prevent the University from disclosing personally identifiable information with the understanding that the party receiving the information may make further disclosures of the information on behalf of the University if:
   a. The disclosures meet the requirements of Section 180.020 M; and
   b. The University has complied with the requirements of Section 180.020 N.3.
3. Section 180.020 O.1 does not apply to disclosures made pursuant to court orders, lawfully issued subpoenas, litigation under Section 180.020 M.1.i, to disclosures of directory information under Section 180.020 M.1.k, to disclosures made to a parent or student under Section 180.020 M.1.j, to disclosures made in connection with a disciplinary proceeding under Section 180.020 M.1.n, or to disclosures made to parents under Section 180.025.
4. Except for disclosures under Section 180.020 M.1.k, l, m, and n, the University shall inform a party to whom disclosure is made of the requirements of this section.
5. If the University determines that a third party improperly rediscloses personally identifiable information from education records in violation of Section 180.020 O.1, the University may not allow that third party access to personally identifiable information from education records for at least five years.

P. DISCLOSURE OF INFORMATION FOR FEDERAL OR STATE PROGRAM PURPOSES.

1. The officials listed in Section 180.020 M.1.c may have access to education records in connection with an audit or evaluation of federal or state supported education programs, or for the enforcement of or compliance with federal legal requirements which relate to those programs.
2. This information must:
   a. Be protected in a manner that does not permit personal identification of individuals by anyone except the officials referred to in part 1 of this section; and
   b. Be destroyed when no longer needed for the purposes listed in part 1 of this section.
3. Part 2 of this section does not apply if:
   a. The student has given written consent for the disclosure under Section 180.020 L; or
   b. The collection of personally identifiable information is specifically authorized by Federal law.

Q. RELEASE OF INFORMATION FOR HEALTH OR SAFETY EMERGENCIES. The University may release information from an education record to appropriate persons in connection with an emergency if the knowledge of such information is necessary to protect the health or safety of a student or other persons. The factors which will be taken into account in determining whether the records may be released under this section include the following:

1. The seriousness of the threat to the health or safety of the student or other persons;
2. The need for such records to meet the emergency;
3. Whether the persons to whom such records are released are in a position to deal with the emergency; and
4. The extent to which time is of the essence in dealing with the emergency.

R. CONDITIONS FOR DISCLOSURE OF DIRECTORY INFORMATION.

1. The University may disclose directory information if it has given public notice to students in attendance at the University of:
   a. The types of personally identifiable information that the University has designated as directory information;
   b. A student's right to refuse to let the University designate any or all of those types of information about the student as directory information; and
   c. The period of time within which a student has to notify the University in writing that he or she does not want any or all of those types of information about the student designated as directory information.
2. The University may disclose directory information about former students without meeting the conditions of this section.

S. DEFINITIONS APPLYING TO THE NONCONSENSUAL DISCLOSURE OF RECORDS IN CONNECTION WITH DISCIPLINARY PROCEEDINGS CONCERNING CRIMES OF VIOLENCE OR NON-FORCIBLE SEX OFFENSES. As used in this part:

1. **"Alleged perpetrator of a crime of violence"** is a student who is alleged to have committed acts that would, if proven, constitute any of the following offenses or attempts to commit the following offenses that are defined in Title 18, **"Crimes and Criminal Procedure,"** of the United States Code:
   a. Arson;
   b. Assault offenses;
   c. Burglary;
   d. Criminal homicide - manslaughter by negligence;
   e. Criminal homicide - murder and nonnegligent manslaughter;
   f. Destruction/damage/vandalism of property;
   g. Kidnapping/abduction;
   h. Robbery; or
   i. Forcible sex offenses.
2. **"Alleged perpetrator of non-forcible sex offense"** means a student who is alleged to have committed acts that, if proven, would constitute statutory rape or incest. These offenses are defined in Title 18, **"Crimes and Criminal Procedure,"** of the United States Code.
3. **"Final results"** means a decision or determination, made by an honor court or council, committee, commission, or other entity authorized to resolve disciplinary matters within the University. The disclosure of final results must include only the name of the student, the violation committed, and any sanction imposed by the University against the student.
4. **"Sanction imposed"** means a description of the disciplinary action taken by the University, the date of its imposition, and its duration.
5. **"Violation committed"** means the University rules or code sections that were violated and any essential finding supporting the University's conclusion that the violation was committed.

PROCEDURE FOR APPEAL OF GRADES

Students are responsible for meeting the standards of academic performance established for each course in which they are enrolled. The establishment of the criteria for grades and the evaluation of student academic performance are the responsibilities of the instructor.

This grade appeal procedure is available only for the review of allegedly capricious grading and not for review of the instructor's evaluation of the student's academic performance. Capricious grading, as that term is used here, comprises any of the following:

- The assignment of a grade to a particular student on some basis other than the performance in the course;
- The assignment of a grade to a particular student according to more exacting or demanding standards than were applied to other students in the course; (**Note:** Additional or different grading criteria may be applied to graduate students enrolled for graduate credit in 300- and 400-level courses.)
- The assignment of a grade by a substantial departure from the instructor's previously announced standards.

Appeal Procedures

1. The student should first discuss the course grade fully with the instructor of the course. This must be done within six weeks after the beginning of the succeeding regular academic semester.
2. If the matter cannot be resolved by consultation with the instructor, the student should use the departmental grade-appeal procedure. Every academic unit (school, College or department) must have a set of appeal procedures that are to be made available to students on request. These procedures will specify the manner in which the departmental review of the challenged grade will be conducted.
3. If the matter is not resolved at the departmental level, an appeal can be made to the academic dean, in accordance with the school's or College's appeals process.
   The decision of the dean will be communicated to the student, the instructor and the department.
4. If the matter is not resolved within the school or College, the student may appeal to the chancellor or designated representative. This appeal must be made within 10 consecutive calendar days after notification of the decision of the dean.
5. The chancellor or designated representative shall review the full record of the case and appeal documents. At this level, the chancellor may appoint an ad hoc academic appeals committee to review the record and provide advice on the matter.
   The decision of the chancellor, or designated representative, is final and will be communicated to the student, the instructor, the department and the dean of the school or College.

Academic Amnesty Policy

The University of Missouri-Kansas City has an Amnesty policy to enable those students who did not perform adequately in their undergraduate enrollment at UMKC to be given a second chance to pursue their academic goals. The policy is as follows:

I. A student may apply or petition for amnesty if she or he meets the following requirements:

1. Has not been enrolled at UMKC at any time during the past two years.
2. Applies for readmission at UMKC and applies for academic amnesty at the same time or applies for amnesty before the end of the first semester of re-enrollment.

Note: Amnesty will not be considered for students who are concurrently enrolled or who intend to enroll at colleges and universities other than UMKC.

II. Academic Amnesty will be implemented as follows:

1. Grades for all UMKC courses taken in the semester or semesters for which amnesty is requested will be marked if the request is approved. The student may not choose specific courses to be included, leaving other courses with an unmarked original grade.
2. The original grade will remain on the student's record, but will be marked by an "x" preceding the grade. For plus/minus grades, the plus or minus will be dropped and the base grade will be used. For example, grades of A, B+, B, B-...F will be changed to XA, XB, ...XF. These hours and grades will remain on the transcript, but will not count toward cumulative hours nor GPA, nor can they be used to fulfill any degree requirements, regardless of the original grade.
3. A statement "Grades granted amnesty by faculty committee action" (or similar) will follow the courses granted amnesty.
4. The change to the transcript will be processed within 30 days following an approved petition for amnesty but in no case sooner than the end of the fourth week of classes in the first term in which the student re-enrolls. If the student then withdraws before grades are awarded at the end of that term the grades will be returned to the original grades.
5. Students can receive amnesty only one time.

Academic Amnesty Procedures

1. Application may be made by use of a standard application form available online at www.umkc.edu/registrar/forms.html or by any written document or letter which contains the necessary information (see form). Applications should be submitted to the UMKC Records Office, to the attention of the Assistant Registrar-Records, prior to the first day of classes in the student's second semester of readmission.
2. Amnesty applications are acted upon by a standing faculty committee to be appointed by the Provost's Office.
3. Notification of committee decisions will be made in writing to the student and the appropriate Academic Deans by the UMKC Records Office.

Guidelines on Sex Discrimination

The University of Missouri-Kansas City complies with Title IX of the Educational Amendment of 1972 which ensures that all employees and students are not victims of sex discrimination. To ensure compliance with this policy of nondiscrimination on the basis of sex, the University has taken the following steps:

1. The University recruits employees of both sexes for all jobs except where sex is a bona fide occupational qualification.
2. Advertisements in journals, newspapers and other media for employment do not express a sexual preference unless sex is a bona fide occupational qualification for the position.
3. Personnel policies for the University explicitly state that there will be no discrimination on account of sex.
4. Promotion and job advancement opportunities except where governed by the rules and regulations of tenure are afforded to all employees regardless of sex. The University makes no distinction based upon sex in employment opportunities, wages, hours or other conditions of employment.
5. Policies and practices of the University assure that appropriate physical facilities are available for both sexes.
6. Women employees are not penalized in their conditions of employment because of time away from work on account of child bearing. Following childbirth and upon signifying intent to return within a reasonable time, such female employees are reinstated to their original jobs or positions of like status and pay without loss of service credit.
7. The wage schedule and job classifications of the University are not related to or based on the sex of the employee.
8. The University has issued policies and guidelines to ensure an educational and work environment that is free from sexual harassment.
9. The University has taken the above steps to alleviate sex discrimination within the institution. Those employees who believe they have been discriminated against on the basis of sex may use the appropriate internal grievance procedure.

Guidelines on Discrimination on the Basis of Religion or National Origin

Members of various religious and ethnic groups, primarily but not exclusively of Eastern, Middle and southern European ancestry, such as Muslim, Jewish, Catholic, Italian, Greek and Slavic groups, continue to be excluded from executive, middle management and other job levels because of discrimination based on their religion or national origin. Under the Equal Opportunity Clause contained in section 202 of Executive Order 11246 as amended, the University of Missouri-Kansas City does not discriminate against employees or applicants for employment because of religion or national origin, and employees are treated during employment without regard to their religion or national origin. To ensure this, the University of Missouri-Kansas City has taken the following steps:

1. The University's Office of Equal Opportunity/Affirmative Action and external communications media have made known that equal employment opportunity without regard to religion or national origin is the policy of the University. All employees of the University must be committed to equal employment for all persons without regard to religion or national origin.
2. In all of its recruitment sources, the University of Missouri-Kansas City expresses that it is committed to equal employment opportunity without regard to religion or national origin.
3. Through local and national publications, as well as through its Web site job listings at http://www.umkc.edu/html/acjobs and http://www.umkc.edu/adminfinance/hr/jobs/index.asp, the University informs the public, including community, religious and ethnic groups, of employment opportunities available at the University of Missouri-Kansas City.
4. The University of Missouri-Kansas City accommodates the religious observance and practices of all employees when reasonably possible.
5. The University has taken the above steps to eliminate discrimination based on religion or national origin. Employees who believe they have been discriminated against on the basis of religion or national origin may use the University's internal grievance procedures.

Guidelines on Sexual Harassment

(Executive Order No. 20, 3-17-81; 330.060 Sexual Harassment; Bd. Min. 3-18-93.)

This policy is also available at http://www.umsystem.edu/ums/departments/gc/rules/personnel/330/060.shtml.

This University of Missouri policy aims for an increased awareness regarding sexual harassment by making available information, education and guidance on the subject for the University community.

A. Policy Statement. It is the policy of the University of Missouri, in accord with providing a positive, discrimination-free environment, that sexual harassment in the work place or educational environment is unacceptable conduct. Sexual harassment is subject to discipline, up to and including separation from the institution.

B. Definition. Sexual harassment is defined for this policy as either

1. Unwelcome sexual advances or requests for sexual activity by a University employee in a position of power or authority to a University employee or a member of the student body, or
2. Other unwelcome verbal or physical conduct of a sexual nature by a University employee or a member of the student body to a University employee or a member of the student body, when:
   a. Submission to or rejection of such conduct is used explicitly or implicitly as a condition for academic or employment decisions; or
   b. The purpose or effect of such conduct is to interfere unreasonably with the work or academic performance of the person being harassed; or
   c. The purpose or effect of such conduct, to a reasonable person, is to create an intimidating, hostile, or offensive environment.

C. Non-Retaliation. This policy also prohibits retaliation against any person who brings an accusation of discrimination or sexual harassment or who assists with the investigation of sexual harassment. Notwithstanding this provision, the University may discipline an employee or student who has been determined to have brought accusation of sexual harassment in bad faith.

D. Redress Procedures. Members of the University community who believe they have been sexually harassed may seek redress, using the following options:

1. Pursue appropriate informal resolution procedures as defined by the individual campuses. These procedures are available from the campus Equal Opportunity/Affirmative Action Officer.
2. Initiate a complaint or grievance within the period of time prescribed by an applicable grievance procedure. Faculty are referred to Section 370.010, "Academic Grievance Procedures"; staff to Section 380.010, "Grievance Procedure for Administrative, Service and Support Staff" and students to Section 390.010, "Discrimination Grievance Procedure for Students". Pursuing a complaint or informal resolution procedure does not compromise one's rights to initiate a grievance or seek redress under state or federal laws.

E. Discipline. Upon receiving a charge of sexual harassment against a member of faculty, staff, or student body, the University will investigate and, if substantiated, will initiate the appropriate disciplinary procedures. There is a five year limitation period from the date of occurrence for filing a charge that may lead to discipline. An individual who makes an accusation of sexual harassment will be informed:

1. At the close of the investigation, whether or not disciplinary procedures will be initiated; and
2. At the end of any disciplinary procedures, of the discipline imposed, if any.

Minimum Standards of Progress for Veterans

Veterans Affairs regulations require that all veterans drawing VA educational benefits at UMKC must comply with the Veterans Affairs Minimum Standards of Progress. These standards dictate that the veteran must be making satisfactory progress toward a degree while enrolled. The University's academic and probation policies have been approved by the Veterans Affairs as those Minimum Standards of Progress.

Undergraduate Student

Undergraduate degree-seeking students' academic status is assessed at the end of every term, whether the student is full-time or part-time for that term. A summer session is considered the same as a semester for the purpose of the following regulations:

1. In general, students will be placed on academic probation whenever their official UM grade-point average falls below 2.0 (C average). Some academic units may have a higher grade-point average requirement. New freshman admitted to UMKC on the basis of high school records, who have grade-point averages between 1.50 and 1.99 at the end of the first semester of either full- or part-time study will be placed on academic warning. Students on academic warning must achieve an overall C average by the end of their second semester or be placed on regular probation. They then would be subject to the regular probation requirements.
2. Students on academic probation will be restored to good standing when their UM grade-point average reaches 2.0 or the GPA level established by their academic units.
3. Students on academic probation must maintain the grade-point average required by their academic units during each subsequent semester or summer session while on probation. Otherwise, they are ineligible to re-enroll without the approval of the academic units.
4. Students on academic probation must remove themselves from probation within three successive semesters (including the semester in which they originally were placed on probation). Otherwise, they are ineligible to re-enroll without the approval of the academic units.
5. Students are responsible for knowing their academic status by referring to the term grade reports and their permanent academic records in the UMKC Records Office.

Graduate and Professional Students

Because there may be some variation in the academic and probation policies in the various graduate and professional schools within the University, reference should be made to the appropriate sections in this catalog.

Conduct

Institutional policy relating to conduct for veteran students is the same as for all other students. Statement of requirements is shown elsewhere in this catalog.

Student Records

Adequate records are kept by the school to show the progress of each eligible veteran. The records are sufficient to show continued pursuit at the rate for which enrolled and the progress being made.

These records include the final grade in each subject completed and a record of the date of withdrawal from any class the veteran does not complete. The last date of attendance must be reported to the Veterans Affairs.

No veteran will be considered to have made satisfactory progress when the veteran fails all subjects undertaken except with a show of mitigating circumstances, when enrolled in two or more unit subjects. This is immediately reported to Veterans Affairs. The determination for the continuance of benefits is made by the regional office of the Veterans Affairs.

Discrimination Grievance Procedure for Students

(390.010 Discrimination Grievance Procedure for Students; Bd. Min. 12-17-82, Bd. Min. 1-25-90, Amended Bd. Min. 10-16-03)

This policy is also available at http://www.umsystem.edu/ums/departments/gc/rules/grievance/390/010.shtml.

A. General

1. It is the policy of the University of Missouri to provide equal opportunity for all enrolled students and applicants for admission to the University on the basis of merit without discrimination on the basis of their race, color, religion, sex, sexual orientation, national origin, age or disability, or Vietnam era veteran status. Sexual harassment shall be considered discrimination because of sex. This policy shall not be interpreted in such a way as to violate the legal rights of religious organizations or military organizations associated with the Armed Forces of the United States of America.
2. To insure compliance with this policy, all University of Missouri prospective or enrolled students shall have available to them this student discrimination grievance procedure for resolving complaints or grievances regarding alleged discrimination.

5. This grievance procedure neither supersedes nor takes precedence over established University procedures of due process for any and all matters related to Academic Dishonesty, Grade Appeals, Traffic Appeals, Disciplinary Appeals, or other specific campus procedures which are authorized by the Board of Curators and deal with faculty/staff responsibilities.
6. These proceedings may be terminated at any time by the mutual agreement of the parties involved. **Note:** A grievance concerning specific incidents filed under this discrimination grievance procedure shall not be processed on behalf of any student who elects to utilize another University grievance procedure. In addition, the filing of a grievance under these procedures precludes the subsequent use of other University grievance or appeals procedures for the same incident.

B. Definitions

1. A complaint is an informal claim of discriminatory treatment. A complaint may, but need not, constitute a grievance. Complaints shall be processed through the informal procedure herein set forth.
2. A Grievance is the written allegation of discrimination which is related to:
   a. Recruitment and admission to the institution.
   b. Admission to and treatment while enrolled in an education program.
   c. Employment as a student employee on campus.
   d. Other matters of significance relating to campus living or student life, including, but not limited to: assignment of roommates in resident halls; actions of fraternities and sororities; membership in or admission to club/organizations; student health services; and financial aid awards.
3. A student is any person who has applied for admission or readmission, or who is currently enrolled, or who was a student of the University of Missouri at the time of the alleged discrimination.
4. Persons with disabilities--For the purpose of this student discrimination grievance procedure, a "person with a disability" has been substituted for "handicapped individual" (Section 504, Rehabilitation Act of 1973) and shall be defined as ". . . any person who:
   a. Has a physical or mental impairment which substantially limits one or more of such person's major life activities;
   b. Has a record of such impairment; or
   c. Is regarded as having such an impairment." For purpose of this definition, "major life activity" means any mental or physical function or activity which, if impaired, creates a substantial barrier to employment or education. Any reference in this document to written materials or to written or oral presentations within the student discrimination grievance procedure may be adjusted to accommodate persons with disabilities for whom the stated materials or required presentations would not be appropriate. Cost of such accommodation will be borne by the University, with no charge to the individual.
5. Appropriate Administrative Officer -- The primary administrative officer on the staff of the Chancellor (in the area of Student Affairs/Services, Administrative Services, Development, and Academic Affairs) having administrative responsibility for the unit in which the discrimination is alleged to have occurred.
6. Grievance Consultant -- At any step the Director of Equal Opportunity or of Affirmative Action may be asked to serve as a consultant by any of the parties involved in this grievance procedure.

C. Complaints

1. Policies and Procedures -- A student with a complaint will be provided with copies of appropriate policies and procedures pertaining to student complaints and grievances, and the Chief Student Personnel Administrator or his/her designee and the Officer for Equal Opportunity/Affirmative Action shall be available to assist the student in understanding the opportunities afforded through such policies and procedures. The student may choose to have an adviser participate in any stage of the grievance procedures, subject to the restrictions of the hearing procedures set forth in Section 390.010 F.
2. Joint Complaint -- If more than one student is aggrieved by the same action, these students may, by mutual written agreement among themselves, file with the Chief Student Personnel Administrator a complaint and pursue their complaints jointly under this grievance procedure. If the number of students in such a case is so large as to make it impractical for them to be heard individually in a joint proceeding, they may, by mutual agreement, elect one or more of their number to act on behalf of them all.
3. Students may informally discuss a complaint with the relevant supervising administrator. Every reasonable effort should be made to resolve the matter informally at this administrative level. If a satisfactory resolution is not reached, the student may pursue the matter through each level of administrative jurisdiction up to and including the Appropriate Administrative Officer, or file a grievance within the time specified in D.1.b.
4. Complaints Involving Recruitment
   a. Undergraduate applicants must first present complaints about recruitment to the Director of Admissions. If a satisfactory resolution is not reached, the applicant may appeal the matter to the immediate supervising officer of the Director of Admissions.
   b. Applicants for graduate study may request a meeting with the academic department head and the Dean of the College, or their designees, who are actually involved in the recruitment effort to discuss the matter informally. If a satisfactory resolution is not reached, the applicant may appeal to the Dean of the Graduate School and finally to the Appropriate Administrative Officer.
5. Complaints Involving Admissions (Undergraduate or Professional)
   a. Undergraduate and professional student applicants shall present complaints to the Director of Admissions or to the Dean of the School or College, depending upon where the application was originally filed.
   b. This University official shall compare the person's academic qualifications against the official University admissions criteria and review the denial. If the denial is sustained, the applicant may appeal this decision to the official's immediate supervisor or to the appropriate admissions committee.
6. Complaints Involving Admissions (Graduate) -- Applicants to the Graduate School may ask for a meeting with the academic department head of the program to which the applicant was seeking admission. This official shall explain the reasons for the denial of recommendation for admission. If a satisfactory resolution is not reached, the applicant may then appeal to the Dean of the Graduate School or to the appropriate admissions committee. If the denial is upheld, the applicant may appeal the decision to the appropriate administrative officer.
7. Complaints Involving Admissions to or Treatment in an Educational Program or in the Granting of Assistantships -- An undergraduate or graduate student enrolled at the institution who has a discrimination complaint involving admission to or treatment in an educational program or in the granting of assistantships may request a conference with the appropriate department head and with the Dean of the School or College (or the Dean's designee) to discuss the matter informally. If a satisfactory resolution is not reached, the student may present a grievance pursuant to Section 390.010 F.
8. Complaints Involving Non-academic Matters Related to Campus Living and Student Life -- A currently enrolled student who has a University-related complaint concerning discrimination in non-academic matters including but not limited to assignment of roommates, actions of fraternities and sororities, membership in or admission to clubs/organizations, student health services and financial aid awards, may request a conference with the appropriate administrative supervisor, department head or director to discuss the matter informally. If a satisfactory resolution is not reached, the student may present a grievance pursuant to Section 390.010 D.
9. Complaints Involving Student Employment on Campus -- A student enrolled at the University who alleges that discrimination occurred either in applying for work or while working as a student employee at a University job may request a conference with the supervisor, department head or director of the employing unit to discuss the matter informally. If a satisfactory resolution is not reached, the student may present a grievance pursuant to Section 390.010 D.
10. Complaints Involving Financial Aid (Undergraduate, Graduate, Professional):
    a. Undergraduate, graduate and professional student aid applicants shall present complaints to the Director of Student Financial Aid where the application was originally filed or the award originally made.
    b. This University official shall compare the person's financial and academic qualifications against the official University financial aid criteria and review the award amount or denial of the aid. If the original judgment is sustained, the applicant may appeal this decision to the official's immediate supervisor or to the appropriate financial aid committee.

D. Initiating a Grievance

1. Policies and Procedures -- A student with a grievance will be provided copies of appropriate policies and procedures pertaining to student complaints and grievances, and the Chief Student Personnel Administrator or designee, and the Officer for Equal Opportunity/Affirmative Action, shall be available to assist the student in understanding the opportunities afforded through such policies and procedures. The student may choose to have an adviser participate in any stage of the grievance procedure, subject to the restrictions of the hearing procedures set forth in Section 390.010 F.

a.

Joint Grievance -- If more than one student is aggrieved by the same action, these students may, by mutual written agreement among themselves, file with the Chief Student Personnel Administrator a grievance and pursue their grievances jointly under this grievance procedure. If the number of students in such a case is so large as to make it impractical for them to be heard individually in a joint proceeding, they may, by mutual agreement, elect one or more of their number to act on behalf of all of them.

b.

Regardless of their nature, all discrimination grievances are to be filed with the Chief Student Personnel Administrator. A grievance must have been filed by a student within one-hundred-eighty(180) calendar days of the date of the alleged discriminatory act.

6. Filing a Grievance
   a.

   All grievances must be presented in writing and contain the following information:
      1. A clear concise statement of the grievance which includes the name of the person(s) against whom the grievance is made, the date(s) of the alleged discrimination and a statement describing the specific supporting evidence;
      2. A brief summary of the prior attempts to resolve the matter, which includes the names of persons with whom the matter was discussed, and the results of those previous discussions;
      3. A specific statement of the remedial action or relief sought.

   b.

   Within seven (7) working days, the original grievance form with an explanation will be returned to the student if, in the judgment of the Chief Student Personnel Administrator, the statements are vague or do not meet the above requirement. The student may make the necessary corrections and resubmit the grievance within seven (7) days.
7. Any grievance not filed within the time limits specified in Section 390.010 D.1.b shall be deemed waived by the grievant. The Chief Student Personnel Administrator may extend the time limits only if adequate cause for an extension of the time limits can be shown by the student.
8. For informational purposes, copies of the grievance shall be forwarded to the Appropriate Administrative Officer and the Director of Equal Opportunity/Affirmative Action.
9. Within fifteen (15) working days of receipt of a grievance that satisfies the requirement of Section 390.010 D.l.b, the Appropriate Administrative Officer, with the consent of the parties involved, may establish an informal hearing with the aggrieved student, the responding faculty/staff/organization, the respondent's supervisor and the Appropriate Administrative Officer's designee. The Appropriate Administrative Officer shall not involve himself/herself in this meeting. If the informal means of resolving the grievance fails, a grievance committee will be impaneled as called for in Section 390.010 E.1.

E. Formation of a Grievance Committee

1. It is the Appropriate Administrative Officer's responsibility to initiate the selection of the grievance committee within fifteen (15) working days after the request for the formation of a grievance committee, or after the completion of the informal hearing provided for in Section 390.010 F.5 without satisfaction to the grievant.
2. A grievance hearing panel shall be established by October 1 of each year from which a grievance committee should be constituted. The panel shall consist of ten (10) faculty, ten (10) staff and ten (10) students. Selection of the panel will be made by the Chief Student Personnel Administrator from recommendations by the appropriate faculty, staff and student associations. Selection of membership will consider sex, race, disability, academic rank, student classification and employee classification. Membership on the hearing panel shall be for two years. A member's term shall expire on September 30 of the second year unless he/she is serving at that time on a hearing committee still in the process of reviewing an unresolved grievance. In such case, the member's term shall expire as soon as the committee has submitted a written report of its findings and recommendations to the Appropriate Administrative Officer.
3. A hearing committee shall be composed of five (5) members. The grievant shall select two (2) members from the grievance hearing panel provided by the Chief Student Personnel Administrator. The responding faculty/staff/organization shall select two (2) members from the grievance hearing panel. Both parties should have their selections made within 15 working days of the receipt of the request. The four committee members shall then select an additional member from the grievance hearing panel to serve as chair. Neither members of the immediate departmental unit nor student members of pertinent student organizations involved in the grievance shall be eligible to serve on the committee.
4. Any person selected to a grievance committee will be expected to serve on such committee and to be present at all sessions. If a member is absent from a single session, that person will be required to review all tapes or transcribed proceedings of that session prior to the next meeting of the committee. Should a member be absent from two sessions or should a member request to be excused from service for reasons of illness, necessary absence from the campus or other hardship, then the member shall be replaced in the same manner used in the original selection (see Section 390.010 E.3). If a member is unable or ineligible to serve for whatever reason, the replacement shall review all tapes or written transcripts and all submitted evidence prior to service on the committee. Five members of the hearing committee, duly selected as in Sections 390.010 E.3 and E.4 must attend the opening and closing session of the hearing.

F. Hearing Procedures for Formal Grievances

1. It shall be the responsibility of the Appropriate Administrative Officer to coordinate the procedures contained herein, to make provisions for hearing rooms, to coordinate secretarial and recording services and to otherwise serve the grievance committee as needed.
2. At the first organizational meeting of the grievance committee, the committee shall elect a chairperson from among the members to preside over subsequent meetings. Then the chairperson shall schedule a hearing at the earliest convenient time when all affected parties can be present.
3. A quorum consists of a minimum of four members of the committee except as provided by Section 390.010 E.4.
4. The grievance committee shall invite the grievant and the responding person to all hearings. Attendance at the hearings shall be limited to persons who have an official connection with the case as determined by the chairperson. The grievant and the responding person may choose to be accompanied by an adviser. Others whose participation in the hearing is considered essential in order to assist the committee in establishing the facts of the case shall appear before the committee only long enough to give testimony and to answer questions of committee members.
5. It is within the duties and responsibilities of all members of a grievance committee to commit themselves to observe procedures consistent with fairness to all parties concerned. For example, it is a matter of principle that members of the grievance committee will not discuss a case with anyone outside of the hearing process and that their finding will not be influenced by anything other than the evidence presented to them in meetings in which all affected parties are present.
6. The grievance committee shall set forth the rules of procedure for the hearing within the guidelines set forth herein. The chairperson may, for good cause and with the concurrence of a majority of the entire committee, authorize deviation from the suggested format, in which case the principal parties shall be notified.
   a.

   The grievant shall be heard first in all phases of a grievance hearing and shall be primarily responsible for the presentation of his/her position.

   b.

   The adviser of the grievant or respondent may advise that person and may briefly explain his or her position but shall not be permitted to testify or to cross-examine.

   c.

   A reasonable time limit should be established for opening and closing statements and shall be announced prior to the hearing.

   d.

   Length of hearing sessions may be established in advance; every effort should be made to conduct the hearing as expeditiously as possible, with equal fairness to both parties.

   e.

   The interested parties shall provide the chairperson with the names of the adviser and potential witnesses at least forty-eight (48) hours prior to the hearing. It is the responsibility of the interested party, working with the chairperson, to ensure the presence of these individuals in a timely manner.

   f.

   After initial witnesses for both parties have been heard, such witnesses may be recalled for additional questioning if requested by either party or the grievance committee. The committee may call new witnesses whose testimony it deems relevant or helpful.

   g.

   In order to promote the truthful, unfettered exchange of information and ideas, all testimony pertaining to the grievance hearing shall be held in confidence.

   h.

   Only evidence relevant to the grievance may be introduced. Questions regarding the admissibility of evidence shall be decided by the chairperson.
7. At any point in the proceedings prior to the time at which the committee reaches its final decision, the grievant may withdraw any portion or all of the grievance with the consent of a majority of the committee members and of the respondent. In all cases of withdrawal at the consent of the committee and of the respondent, the grievant shall not have the privilege of reopening the same grievance at any time in the future. In the event that the student refuses to participate further in the committee hearing, the committee may choose to continue the case or to move to closure with an appropriate closing statement as per Section 390.010 F.9.
8. A confidential tape recording of the grievance hearing shall be made and will be accessible to the parties involved, the committee, the Appropriate Administrative Officer, the Chancellor, the President, members of the Board of Curators and authorized representatives on a need-to-know basis. Either party to the grievance may request that the committee provide a written transcript of testimony. The cost of preparation of such a transcript is to be paid by the party making such request unless Section 390.010 B.4 is applicable. After the report of the grievance committee has been prepared, the tapes and relevant materials will be sealed and filed in the Appropriate Administrative Office. Unless extraordinary circumstances apply, these materials will be destroyed at the end of five years.
9. At the conclusion of the grievance hearing, the members of the grievance committee shall meet in closed session to deliberate upon their findings. A majority vote of the entire committee shall be required on all decisions. The grievance committee shall make a written report on findings and recommendations to the Appropriate

Administrative Officer of the University, with copies to the grievant(s) and the responding person(s). The written report will contain:

a. A statement of the purpose of the hearing,
b. Issues considered,
c. A summary of the testimony and other evidence presented,
d. Findings of fact as developed at the hearing, and
e. Recommendations for final disposition of the case.

13. The Appropriate Administrative Officer will make his/her decision. This decision and the actions that have been taken shall be presented to both parties in writing. If the administrative officer does not accept the recommendations of the grievance committee, a written statement of the reasons for so ruling must be given to both parties and to the chairperson of the committee.
14. If requested by the grievant or the responding party, normally within seven (7) calendar days of the notification of the decision, the decision of the Appropriate Administrative Officer may be subject to a review of the records by the Chancellor. Any review and decision by the Chancellor shall be made normally within thirty (30) calendar days. The decision of the Chancellor can be appealed to the President, who shall have thirty (30) calendar days in which to make a decision, which shall be final.
15. Grievances shall receive prompt attention. The hearing and the report of the grievance committee shall normally be completed within sixty (60) calendar days of the formation of the grievance committee, and a final decision shall be made by the Appropriate Administrative Officer normally within ten (10) calendar days thereafter. In any case in which these time schedules should prove to be inadequate, the committee shall present, in writing, an amended time schedule to all parties involved.

Student Discrimination Grievance Procedure Form

(Use additional sheets if needed)

1. Your Name:

Check One: Male____ Female____

Student I.D. No.:

Mailing Address:

City, State, Zip Code:

Telephone:

2. Submitted to (Campus specific title for Chief Student Personnel Administrator):

On (Month/Day/Year):

3. The basis for the grievance is alleged discrimination on the basis of (Race/Color/Religion/Sex/National Origin/Age/Disability):

4. University official or unit against whom this grievance is filed (Name/ Department):

5. Explain in a clear and detailed statement the following:

a. The nature of the grievance and a description of specific supporting evidence:

b. The specific remedial action or relief sought:

For grievances alleging discrimination to admission and/or treatment while enrolled in an educational program, employment on campus, or other matters of consequence relating to campus living or activities.

c. A summary outlining with whom the point(s) of dissatisfaction were discussed and with what results:

6. Date you consider the "Informal discussion" ended:

I HAVE READ AND UNDERSTAND THE ABOVE GRIEVANCE FORM AND GRIEVANCE PROCEDURE FOR STUDENTS.
THIS GRIEVANCE I AM FILING IS TRUE TO THE BEST OF MY KNOWLEDGE, INFORMATION, OR BELIEF.

Signature_____ Date_____

This form forwarded to (Appropriate Administrative Officer):

On (Month/Day/Year):

By (Campus-specific title for Chief Student Personnel Administrator):

(Campus Address)

Suggested Format for Hearing

I. Opening remarks accompanied by written submission of parties' outlines of relevant, non-redundant evidence to be offered to committee.

a. Grievant

b. Respondent

II. Consideration of any decision on objections to acceptance of items of evidence.

III. Presentation of relevant, non-redundant evidence.

a. Grievant (with additional questions from Respondent and/or committee)

1. Witnesses

2. Non-testimonial evidence

b. Respondent (with additional questions from Grievant and/or committee)

1. Witnesses

2. Non-testimonial evidence

IV. Opportunity for presentation of any rebuttal evidence.

a. Grievant

b. Respondent

V. Presentation of additional evidence requested by committee.

VI. Summation of case

a. Grievant

b. Respondent

POLICY ON MAINTAINING A POSITIVE WORK AND LEARNING ENVIRONMENT

(330.080 Maintaining a Positive Work and Learning Environment; Executive Guideline No. 3, 7-18-97; Executive Order No. 3 replaced by policy stated in Bd. Min. 1-29-99.)

This policy is also available at http://www.umsystem.edu/ums/departments/gc/rules/personnel/330/080.shtml.

1. The University of Missouri is committed to providing a positive work and learning environment where all individuals are treated fairly and with respect, regardless of their status. Intimidation and harassment have no place in a university community. To honor the dignity and inherent worth of every individual -- student, employee, or applicant for employment or admission -- is a goal to which every member of the university community should aspire and to which officials of the University should direct attention and resources.
2. With respect to students, it is the University's special responsibility to provide a positive climate in which students can learn. Chancellors are expected to provide educational programs and otherwise direct resources to creative and serious measures designed to improve interpersonal relationships, to help develop healthy attitudes toward different kinds of people, and to foster a climate in which students are treated as individuals rather than as members of a particular category of people.
3. With respect to employees, the strength we have as a university is directly related to maintaining a positive work environment throughout the institution. The University should provide a positive recruiting and work environment focused on the duties and skills of the work to be performed. It is the expectation of the University that all employees and potential employees will be treated on the basis of their contribution or potential contribution without regard to personal characteristics not related to competence, demonstrated ability, performance, or the advancement of the legitimate interests of the University. The General Officers are expected to provide training programs for supervisors to assist in achieving this objective.
4. With respect to violations of the policy, faculty, staff and students may utilize their respective grievance procedures approved by the Board of Curators. The approved grievance procedures are as follows: Grievance procedure in Section 370.010 for faculty; grievance procedure in Section 380.010 for staff; and grievance procedure in Section 390.010 for students, and each such procedure shall be deemed as amended to include grievances filed under this policy. This policy shall not be interpreted in such a manner as to violate the legal rights of religious organizations, or military organizations associated with the Armed Forces of the United States of America.

SCHOOL OF PHARMACY HONOR CODES

HONOR COUNCIL PROCEDURES FOR VIOLATIONS OF THE STANDARDS OF PROFESSIONAL GROWTH AND ETHICAL BEHAVIOR

UNIVERSITY OF MISSOURI-KANSAS CITY SCHOOL OF PHARMACY

I. JURISDICTION OF THE HONOR COUNCIL

The Honor Council shall be concerned with specified incidents of alleged violations by University of Missouri-Kansas City School of Pharmacy students of the School's Standards of Professional and Ethical Behavior, Sections IIA and IIB. Violations of the University of Missouri Student Conduct Code as described in Section III will be referred to the Office of the Vice Chancellor for Student Affairs. The standards identify areas of conduct which are judged unacceptable for individuals who are either in or aspire to be in the profession of pharmacy. The Standards of Professional and Ethical Behavior are distributed to all newly enrolled students during orientation. When a pharmacy student has been charged with one or more acts of misconduct according to these standards, the Honor Council shall adhere to the following procedures detail herein. The Honor Council shall have the authority to recommend sanctions upon any accused appearing before the Council. The disciplinary proceedings described are not to be construed as judicial trials. Care shall be taken, however, to comply as fully as possible with the spirit and intent of these procedural safeguards.

II. Organization of the Honor Council

A. Composition

The Honor Council members shall consist of the Chair; three voting faculty members, one from each division (3 votes); and one student member from each year 2-6 of the professional degree programs (5 students). The three most senior students no in accused's class will vote. Voting will take place by secret ballot. The chair and faculty members will not be administrators or division chairs. Four members or their alternates (2 faculty (to exclude the chair), 2 students) constitute a quorum. One nonvoting Honor Council staff member will assist the Chair in generation of reports and will be present at the hearings to take minutes. In case of a tie among the Honor Council as a whole, the chair shall vote in order to make the final determination upon recommendations from the other members. Proxy votes will not be allowed.

B. Eligibility and Appointment

The chair of the Honor Council shall be elected by the full faculty. An alternate will also be elected. The three division representatives and an alternate for each shall be elected by their respective divisions. The student representatives and their alternates shall be elected by their class officers. All elections shall be held on an annual basis at the beginning of the academic year, no later than September 15. After elections, a preliminary meeting of all members to discuss the role and function of the Honor Council will be held within two weeks.

C. Time of Appointment and Term of Office

All members shall serve a one year appointment or until replaced by election but may be re-elected in subsequent years. A student is ineligible to continue as a member of the Honor Council if placed on academic or disciplinary probation, or if for any other reason membership of the Council may not be in the best interest of the School of Pharmacy as determined by the Honor Council chair. In this case, the alternate would assume membership on the Council, and another alternate would be chosen by the class officers.

D. Primary Administrative Liaison (PAL)

A primary administrative liaison (PAL) will be appointed by the Dean for a minimum of a two year term. The PAL will draft the charge and represent the School of Pharmacy in all cases. The PAL will include all references to the School of Pharmacy within this document.

III. Procedures for Report of Violation, Investigation, Informal Disposition, and Notice

A. Report of Violation

An alleged violation of the Standards of Professional and Ethical Behavior should be reported to the PAL of the Honor Council or designee as soon as possible after discovery of the incident. The Chair shall notify the Dean of all accusations.

B. Preliminary Procedures and Meeting

The PAL shall investigate any reported student misconduct before initiating formal conduct procedures. The PAL is responsible for notifying the accused, in writing by certified mail, of the allegations brought against him/her prior to the commencement of the preliminary meeting and shall receive a copy of these Procedures for Violations of the Standards of Professional and Ethical Behavior along with the written notice. The PAL shall meet with the accused student to give the student the opportunity to present a personal version of the incident or occurrence.

C. Informal Disposition

The PAL shall have the authority to dismiss an allegation or propose appropriate sanctions to the accused student and shall fix a reasonable time within which the student shall accept or reject a proposed informal disposition. A failure of the student either to accept or reject within the time fixed shall be deemed to be an acceptance and, in such event, the proposed disposition shall become final upon expiration of such time. If the student rejects informal disposition, it must be in writing and shall be forwarded to the Honor Council.

D. Prior to Formal Hearing

The PAL shall draft the charge and call the Honor Council into session for a preliminary meeting within 10 working days of receipt of a written accusation of misconduct. The Chair of the Honor Council shall approve meeting dates. In the case that an elected member and an alternate have a conflict of interest in the case, the electing body would choose another member for the one case at the time of the preliminary meeting. [See section IIB for election procedures.] If the case is found to be within the jurisdiction of the Honor Council, a formal hearing will be held. If it is not within the jurisdiction of the Honor Council, the case will be forwarded to the Office of the Vice Chancellor for Student Affairs or other appropriate action will be taken. The PAL and the accused may meet with the Chair separately to discuss these policies and procedures. The Dean, designee, or other appropriate university official(s), may at any time temporarily suspend or deny readmission to the accused from the School of Pharmacy pending formal procedures when the Dean or the Chancellor or the Chancellor's designee finds and believes from available information that the presence of the accused on campus would seriously disrupt the School of Pharmacy or constitute a danger to the health, safety, or welfare of members of the School of Pharmacy community. The appropriate procedure to determine the future status of the accused will be initiated within seven calendar days of any action taken.

E. Notice of Formal Hearing

If the accusation is found at the preliminary meeting to be within the jurisdiction of the Honor Council, the formal hearing will be held within 15 working days of mailing of the official notice. Notice by certified mail will be sent to the address currently on record with the UMKC Registrar's Office. Failure by the accused to have a current local address on record with the Registrar's Office shall not be construed to invalidate such notice. The PAL, witnesses, and the accused will be given written notice of the hearing by certified mail. The notice shall set forth the date, time, and place of the alleged violation, the conduct for inquiry, the date, time and place of the hearing before the Council, request for attendance of the parties involved, and a reference for the accused to the Rights of the Accused Student Upon Hearing which are outlined in these Procedures. The notice shall be given at least seven (7) consecutive calendar days prior to the hearing, unless a shorter time be fixed by the Chair for good cause. Any request for continuance shall be made in writing to the Chair who shall have the authority to postpone the hearing if it is determined that the request is timely and made for good cause. The Chair shall notify the Honor Council members, the accused, the PAL, the witnesses, and any other relevant individuals of the new date for the hearing. If the accused fails to appear at the scheduled time, the Honor Council may hear and determine the matter in the accused's absence.

IV. Procedure for Honor Council Hearing

A. Rights of the Honor Council

The Honor Council shall have the right to:

• hear together cases involving more than one accused which arise out of the same act of misconduct, but in that event shall make separate findings and determinations for each accused;

• permit a stipulation of facts by the accused involved and the PAL;

• permit the incorporation in the record by a reference of any document, affidavit, or other material produced and desired in the record by the PAL or the accused charged and make a determination of whether the information is relevant to the case at hand.

• question witnesses, the accused, and/or the PAL or challenge other evidence introduced by either the PAL or the accused at any time;

• hear from the Council Chair about dispositions made in similar cases;

• call additional witnesses or require additional investigation,

• dismiss any action at any time;

• permit or require at any time, within a reasonable time as determined by the Council, amendment of the Notice of Hearing to include new or additional matters which may come to the attention of the Council before final determination of the case; provided, however, that in such event the Council shall grant to the accused or the School such time as the Council may determine reasonable under the circumstances to answer or explain such additional matters; and,

• dismiss any person from the hearing who interferes with or obstructs the hearing or fails to abide by the rulings of the Council Chair on any procedural question or request of the Chair for order.

B. Rights of the Accused Upon Hearing

The accused scheduled to appear before the Honor council pursuant to formal notice of charges and disciplinary hearing shall have the right to:

• submit a written response to the charge outlined in the Notice before the scheduled hearing is to commence;

• request in advance of the scheduled hearing a review of any materials contained in the accused's hearing file which will be kept in the Student Affairs Office;

• submit a written request for the identities of witnesses to be called to testify before the Council;

• be present at the hearing;

• have an advisor or counselor appear with the accused and to consult with such an adviser or counselor before and/or during the hearing: however, the adviser/counselor will not be allowed to question witnesses and/or address members of the Council:

• hear or examine evidence presented to the Honor Council

• question the PAL and/or witnesses present who are testifying at the hearing.

• present evidence by witness, affidavit, written report, other memoranda, photographs, drawings, and any other relevant evidence of any defense the accused desires:

• make any statement to the Honor Council in mitigation or explanation of the conduct in question;

• remain silent to avoid self-incrimination;

• be informed in writing of the findings and any decisions imposed by the Honor Council, the Executive Committee; and, • appeal the decision and/or disposition to the Chancellor, as herein provided.

C. Rights of School of Pharmacy

The Primary Administrative Liaison (PAL) has the right to:

• be present at the hearing;

• present evidence by witness, affidavit, written report, other memoranda, photographs, drawings, and any other relevant evidence the PAL desires;

• offer rebuttal at the appropriate time as determined by the Chair;

• question witnesses or the accused;

• have an adviser or counselor appear with the PAL and to consult with such an adviser or counselor before or during the hearing; however, the adviser/counselor will not be allowed to question witnesses and/or address members of the Council;

• hear or examine evidence presented to the Honor Council by witnesses or the accused; and,

• be informed in writing of the findings and any decisions imposed by the Honor Council or the Executive Committee.

D. Rights of Witnesses

Witnesses shall be notified of the scheduled time, date, and location of the hearing. Witnesses shall bring with them whatever documentation is requested. Failure of a student witness to appear, without good cause, is a violation of the Standards of Professional and Ethical Behavior.

E. Record of Hearing

All proceedings of the Honor Council are to be held in the strictest confidence by the members and all other persons involved. The hearings shall be audio taped, and written minutes will also be recorded. The notice, exhibits, hearing record, verdict, and disposition of the Honor Council shall become the record of the Case. This official document shall be filed under strictest security in the permanent records of the Students Affairs Office of the School of Pharmacy. The record shall be accessible at the reasonable times and places to both the University and the accused for the purpose of review or appeal.

F. Conduct of the Hearing

The Honor Council Chair shall preside at the hearing, call the hearing to order, call the roll of the Honor Council members in attendance, ascertain the presence or absence of the accused, read the Notice of Hearing and Charge and verify the receipt of Notice of Charge by the accused, report any continuances requested or granted, establish the presence of any adviser or councilor of the accused, call t the attention of the accused and the adviser any special or extraordinary procedures to be employed during the hearing, and permit suggestions for or objections to any procedures for the Honor Council to consider. NOTE: Advisors will not be allowed to questions the PAL, witnesses, and/or address members of the Council All requests to address the Council shall be addressed to the Chair. The Chair will rule on all requests and points of order and may consult with Council's legal adviser prior to any ruling. The Chair's ruling shall be final, and all participants shall abide thereby, unless the Chair shall present the question to the Council at the request of a member of the Council, in which event, the ruling of the Council by majority vote shall be final. Rules of common courtesy and decency shall be observed at all times.

1. Opening Statements

• The Honor Council Chair or designee shall make opening remarks outlining the general nature of the case.

• The accused may make an opening statement to the Council about the charge at this time.

• The PAL may make an opening statement and may add additional clarification to other opening statements as necessary.

• Witnesses of the School of Pharmacy are to be called by the PAL and identified or written reports of evidence are introduced as appropriate.

• The Council may question witnesses at any time.

• The accused may question witnesses or examine evidence at the conclusion of the PAL's presentation.

2. School of Pharmacy's Evidence

• The PAL may question own witnesses.

• The accused shall have the opportunity to make a statement to the Honor Council about the charge.

• The accused may present evidence through witnesses or written memoranda.

• The Council may question the accused or witnesses at any time.

• The PAL may question witnesses or examine evidence at the conclusion of the accused's presentation.

• the accused may question own witnesses.

• Accused's Evidence:

4. Rebuttal Evidence:

The Honor Council may permit the PAL or the accused to offer a rebuttal to the other's presentation. If it appears that essential testimony is unavailable, or that for other good cause the hearing should be deferred, the Council may continue, recess or discontinue the hearing without prejudice.

V. Determination of the Honor Council

Following the hearing, the Council shall promptly deliberate in closed session out of the presence of the accused, the witnesses, or the PAL. Determination is to be made regarding both the validity of the charge and the discipline, if any, to be imposed.

A. Violation of the Standards of Professional and Ethical Behavior

The Honor Council shall determine if the evidence presented in the hearing supports the charge of violation of the Standards of Professional and Ethical Behavior. The Council shall render a decision, by simple majority vote, of whether a violation has been committed by the accused. Each charge, if there are more than one, shall be considered individually and/or collectively at the discretion of the Council.

B. Discipline Imposed

The Honor Council shall determine the discipline to be imposed, if any, based upon its deliberations. The following forms of discipline are to be recommended by means of a simple majority vote of the Council members. Where there are multiple violations, there can be separate sanctions for each violation. The sanctions include, but are not limited to, the following:

No Disciplinary Action –

Given when the student is not found in violation of the Standards of Professional and Ethical Behavior.

Warning

– A written reprimand that the student has violated the Standards of Professional and Ethical Behavior.

Probation –

A written reprimand for violation of the Standards of Academic Conduct that includes a designated period of time, the probability of more severe sanctions if the student violates any institutional regulations(s) during the probationary period, and subject to any appropriate terms or conditions, such as loss of privileges, restitution, and discretionary assignments.

Suspension –

An involuntary separation from the School of Pharmacy for a specified period of time or until special conditions have been met, with a statement whether suspension should relate back to the date of the offense, begin at the time imposed, or begin at a date specified in the future. At the conclusion of the period of suspension, the suspended student is automatically returned to student status. Conciliation for readmission may be specified.

Dismissal –

An involuntary separation from the School of Pharmacy for an indefinite period of time. The order of dismissal may specify a date before which the faculty will not consider a petition for readmission from the dismissed student.

Expulsion –

Permanent separation from the School of Pharmacy. A copy of the imposed sanction is to be placed in the student's non-academic file.

C.

An oral presentation of the Council's findings and recommendations is permitted following the hearing, but a written document including findings of fact, verdict, and recommended disposition shall be completed as soon as possible after the hearing. This Final Report of the Council shall be submitted to the Executive Committee and the Office of the Vice Chancellor for Student Affairs. All parties will be notified in writing of the Honor Council's recommendation by certified mail within seven calendar days.

VI. Decision of the Executive Committee

The findings and determination of the Honor Council serve as recommendations to the Executive Committee. The Executive Committee, as described in the School of Pharmacy By-Laws, chaired by the Dean or designee, reviews the charge, the finding of fact, the decision of the Council, and the recommended discipline to be imposed from the Honor Council. They also assured that the procedures outlined for the Honor Council were successfully followed. The Executive Committee has the right to request further information from either party. Either party can also request to address the Executive Committee. In either case, both parties will be notified of the request, the nature of the request, and be asked to attend if deemed necessary by the Executive Committee. Both parties will have the same rights as they have upon hearing as outlined in IV B & C of this document. The Executive Committee hearings shall be audio taped, and written minutes will also be recorded. The notice, exhibits, hearing record, verdict, and disposition of the Executive Committee shall become the record of the Case. This official document shall be filed in the permanent records of the Student Affairs Office of the School of Pharmacy. The record shall be accessible at the reasonable times and places to both the University and the accused for the purpose of review or appeal. After deliberation and careful consideration, the Executive Committee approves, by simple majority vote, one of the following actions:

• to sustain the recommendations of the Honor Council;

• to amend the recommendations of the Honor Council to another type of sanction;

• to remand the Honor Council's recommendations; or,

• to reverse the Honor Council's recommendations.

The Dean shall notify the accused of the findings of the Honor Council and the Executive Committee in writing, by certified mail, within seven calendar days of the Executive Committee meeting. Copies of the letter will be sent to the Honor Council Chair, the PAL, and the Office of Student Affairs for placement in the accused's file and in the official hearing file.

VII. Right of Appeal

When a recommendation from the Honor Council and the Executive Committee is made for some form of disciplinary action other than 'no disciplinary action', the accused may appeal such decision to the Chancellor or designated representative by filing written notice of appeal with the Chancellor within ten (10) consecutive calendar days after notification of the decision of the Executive Committee. A copy of the Notice of Appeal will also be given by the accused to the Dean of the School of Pharmacy at the time of filing who will transmit copies to the Executive Committee and the Honor Council. The accused may file a written memorandum for consideration by the Chancellor with the Notice of Appeal.
The Chancellor or designated representative shall review the record of the case and the appeal documents and may affirm, reverse, or remand the case for further proceedings and shall notify the Dean and the accused in writing of the decision on the appeal. The action of the Chancellor shall be final unless it be to remand the matter for further proceedings.

Status during Appeal:

In cases of suspension, dismissal or expulsion where a Notice of Appeal is filed within the required time, the accused may petition the Chancellor in writing for permission to attend classes pending final determination of appeal. The Chancellor may permit the accused to continue in school under such conditions as may be designated pending completion of appellate procedures, provided such continuance will not disrupt the University or constitute a danger to the health, safety or welfare of the University Community. In such event, however, any final disciplinary action imposed shall be effective from the date of the action of the Executive Committee.

VIII. Status of the Standards of Professional and Ethical Behavior

Amendments to the Standards of Professional and Ethical Behavior and/or Honor Council Procedures for Violations may be proposed by petition of any twenty-five members of the student body, or the Honor Council on its own motion, or the faculty.

A proposed amendment in the Standards of Professional and Ethical Behavior and/or Honor Council Procedures for Violations must be approved by a 2/3 majority vote of the Honor Council members present (all members have the right to vote on amendments = 9 votes), by a 2/3 majority vote of the faculty present, by the Chancellor, and the Board of Curators.

The Standards of Professional and Ethical Behavior and/or Honor Council Procedures for Violations may be terminated at any time by action under the general amending procedure.

Standards of Professional and Ethical Behavior

University of Missouri-Kansas City School of Pharmacy

I. Preamble

One of the goals of a pharmacy school is to educate a pharmacy student during the transition to a professional life. The University of Missouri-Kansas City School of Pharmacy has an obligation to evaluate students pursuing the B.S. and Pharm.D. practice degrees as thoroughly as possible for their cognitive abilities, their academic and professional knowledge and skills, their integrity, and their suitability for the practice of pharmacy. Accordingly, the Standards of Professional and Ethical Behavior detailed in this document have been developed to guide the pre-professional behavior of **professional degree-seeking** pharmacy students of the University of Missouri-Kansas City School of Pharmacy and to prepare the pharmacy students to meet the ethical standards of the pharmacy profession.

Students enrolled in the graduate programs in pharmaceutical sciences and pharmacology will be governed by the University of Missouri Student Conduct Code.

II. Professional Integrity

A. Professional Integrity

1. Honesty

A pharmacy student shall deal honestly with people including, but not limited to, colleagues, instructors, representatives of the University, patients, attending physicians, and other members of the health care team. Pharmacy students are expected to demonstrate honesty and integrity in all aspects of their interaction with patients and staff – particularly in assuring accuracy and completeness in their actions and documentation. The pharmacy student shall be willing to admit errors and must not mislead others or promote himself/herself at the patient's expense. The pharmacy student shall strive to report, by utilizing the Honor Council Procedures for Violations of the Standards of Professional and Ethical Behavior, those pharmacy students deficient in character or competence, or who engage in fraud or deception.

The basic principle underlying all research is honesty. Scientists and pharmacy students who participate in research have a responsibility to provide research results of the highest quality; to gather facts meticulously, to keep impeccable records of work done; to interpret results realistically, not forcing them into preconceived molds or models: and to report new knowledge through appropriate channels. Co-authors of research reports must be sufficiently acquainted with the work of their co-workers that they can personally vouch for the integrity of the study and validity of the findings, and must have been active in the research itself.

Examples of academic dishonesty include, but are not limited to, the following:

Cheating

• use of any unauthorized assistance in taking quizzes, tests, or examinations;

• dependence upon the aid of unauthorized sources in writing papers, preparing reports, solving problems, or carrying out other assignments;

• acquisition or possession without permission of tests or other academic material belonging to a member of the University faculty or staff;

• in any way giving assistance to others who are participating in any of the three preceding types of behavior; or

• falsifying attendance records or other official documents.

Plagiarism

• use by paraphrase or direct quotation of the published or unpublished work of another person without fully and properly crediting the author with footnotes, citations or bibliographical reference;

• unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials; or

• unacknowledged use of original work/material that has been produced through collaboration with others without release in writing from collaborators.

Sabotage

• unauthorized interference with, modification of, or destruction of the work or intellectual property of another member of the University community.

Examples of dishonesty related to clinical practice include, but are not limited to, the following:

Falsification of Patient's Medical Record or Information

• Writing progress notes or other documentation regarding the patient's status, including, but not limited to, clinical observations or results in the patient's chart when the pharmacy student has not seen or evaluated the patient, or using incorrect times of data entry.

• Reporting medical information such as physical examination finds, lab values, test results, an any other relevant patient information to other students, residents, attending physicians, the patient, the patient's family, or other relevant health care personnel that has been fabricated by the pharmacy student.

2. Responsibility

A pharmacy student must acquire competencies with the appropriate concepts, knowledge, and skills which the faculty determine to be essential. These competencies shall be utilized to care for the sick and to promote the health and welfare of society. A pharmacy student shall recognize a responsibility to participate in activities contributing to an improved community.

Pharmacy students in the care of patients must not be harmful, dangerous, or negligent to the mental or physical health of a patient or the public. Negligent means the failure to use that degree of skill and learning ordinarily used under the same or similar circumstances by other pharmacy students.

Students must be familiar with and follow the rules and regulations of the School of Pharmacy, the University, and related professional organizations.

B. Pharmacy Professional Behavior

1. Nondiscrimination

It is against University regulations to discriminate on the basis of race, color, creed, sex, age, national origin, disability, or Vietnam Era Veterans status. The University has an AIDS policy statement consistent with state law that prohibits discrimination against persons with AID or who are HIV positive.

2.Representation

A pharmacy student shall accurately represent himself/herself to others including, but not limited to, colleagues, instructors, representatives of the University, patients, pharmacists and other members of the health care team.

Examples of misrepresentation include, but are not limited to the following:

• A pharmacy student shall never use the title of "pharmacist", as this clearly misrepresents the student's position, knowledge, and authority.

• Use of fraud, deception, lies, or bribery in securing any certificate of registration or authority, diploma, permit or license issued, or in obtaining permission to take any examinations.

• Impersonation of any person holding a certificate of registration or authority, permit, license or allowing any person to use his/her certificate of registration or authority, permit, license, or diploma from any school.

• Forgery, alteration, or misuse of a patient's medical records or knowingly furnishing false information to the other members of the health care profession and/or professional organizations.

3. Confidentiality

A pharmacy student shall respect the rights of patients, colleagues, and other health professionals, and shall safeguard patient confidences within the constraints of the law. The patient's right to confidentiality in regard to his/her medical record, which includes confidentiality of personal and social history, is a fundamental tenet to medical care. Proprietary information from clerkship and/or externships shall not be shared.

The discussion in public of the problems of an identified patient, without the patient's permission, by professional staff (including other students) violates patient confidentiality and is unethical. Under no circumstances can any medical record be removed from the institution. Photocopying of the entire record is never permitted for presentations or rounds; students are permitted to extract information, but not copy 'wholesale' parts of the chart. Names of patients should be omitted from any documents used for these presentations.

4. Disclosure

While the pharmacy student is a member of the patient care team and under faculty supervision, a pharmacy student shall continue to study, apply and advance scientific knowledge, make relevant information available to patients, colleagues, and the public, obtain consultation, and use the talents of other health professionals when indicated.

Sharing of medical information appropriately with a patient and colleagues involved in the care of the patient is a fundamental ethical requirement. The patient must be well informed to make health care decisions and work intelligently in partnership with the patient care team. Information that the patient needs for decision making shall be presented in terms the patient can understand. If, for some reason, the patient is unable to comprehend, there shall be disclosure to the patient's authorized representative.

Failure of a pharmacy student to share medical information relevant to a patient with the patient and colleagues involved in the care of the patient is unethical. Providing inaccurate information with these individuals is also unacceptable.

5. Assessment of Personal Competence (Self-Evaluation)

Pharmacy students shall seek consultation and supervision whenever their ability to play their role in the care for a patient is inadequate because of lack of knowledge or experience.

Students are expected to respond to constructive criticism by appropriate modification of behavior.

It is unacceptable for a pharmacy student to dispense prescription medications or to prescribe therapies without supervision.

6. Professional Demeanor

The pharmacy student is expected to be thoughtful and professional when interacting with faculty, patients and their families, attending physicians, pharmacy preceptors, other students, and other members of the health care team and whenever his/her behavior may influence adversely the judgments of others about the professional school of University.

Students shall maintain a neat and clean appearance, and dress in attire that is generally accepted as professional by the patient populations served.

Inappropriate behavior includes, but is not limited to, the use of offensive language, gestures, or remarks. Attempting, directly or indirectly, by way of intimidation, coercion or deception, to obtain or retain a patient or discourage the use of a second opinion or consultation is not appropriate.

7. Conflict of Interest

If a conflict of interest arises, the moral principle is clear – the welfare of the patient must be, at all times, paramount. For example, gifts, hospitality, or subsidies offered by manufacturers and distributors of medical and pharmaceutical equipment/goods shall not be accepted if acceptance would influence the objectivity of clinical judgment.

8. Misconduct with Patients

The pharmacy student will not engage in romantic, sexual, or other nonprofessional behaviors with a patient – even upon the apparent request of a patient – while the pharmacy student is involved with the patient's care.

9. Impairment

The pharmacy student will not use alcohol or drugs in ways that impair his/her ability to perform the work of the profession or results in compromised patient care. It is the

responsibility of every pharmacy student to strive to protect the public from an impaired colleague and to assist that colleague whose capability is impaired because of alcohol or drug use.

10. Criticism of Colleagues

Professional relations among all members of the medical community shall be marked by civility. Scholarly contributions shall be acknowledged and each person shall recognize and facilitate the contributions of others to this community; slanderous comments and acts are not acceptable. Pharmacy students shall deal with professional, staff, and peer members of the health team in a considerate manner and with a spirit of cooperation.

It is unethical and harmful for a pharmacy student o disparage, without sufficient evidence, the professional competence, knowledge, qualifications, or services of a colleague to anyone. It is also unethical to imply without reliable evidence – by word, gesture, or deed – that a patient has been poorly managed or mistreated by a colleague.

11. Teaching

It is incumbent upon those entering this profession to teach what they know of the science, art, and ethics of pharmaceutical care. It includes communicating clearly and teaching patients so that they are properly prepared to participate in their own care and in the maintenance of their health.

III. The University of Missouri Student Conduct Code

In addition to the conduct detailed in the preceding sections, a pharmacy student is subject to the University of Missouri Student Conduct Code, as administered by the Office of the Vice Chancellor for Student Affairs, except for provisions dealing with academic dishonesty, Section 200. 01 0 B. 1.

Conduct for which students are subject to sanctions falls into the following categories:

A. Forgery, alteration, or misuse of University documents, records or identification, or knowingly furnishing false information to the University.

B. Obstruction or disruption of teaching, research, administration, conduct proceedings, or other University activities, including its public service functions on or off campus.

C. Physical abuse or conduct which threatens or endangers the health or safety of any person.

D. Attempted or actual theft of, damage to, or possession without permission of property of the University or of a member of the University community or of a campus visitor.

E. Unauthorized possession, duplication, or use of keys to any University facilities or unauthorized entry to or use of University facilities.

F. Violations of University policies, rules or regulations or of campus regulations including, but not limited to, those governing residence in University-provided housing, or the use of University facilities, or the time, place and manner of public expression.

G. Manufacture, use, possession, sale, or distribution of alcoholic beverages or any controlled substance without proper prescription or required license or as expressly permitted by law or University regulations.

H. Disruptive or disorderly conduct or lewd, indecent, or obscene conduct or expression.

I. Failure to comply with directions of University officials acting in the performance of their duties.

J. Illegal or unauthorized possession of firearms, explosives, other weapons, or dangerous chemicals.

K. Actual or attempted theft or other abuse of computer time, including but not limited to:

- Unauthorized entry into a file to use, read, or change the contents, or for any other purpose;
- Unauthorized transfer of a file;
- Unauthorized use of another individual's identification and password;
- Use of computing facilities to interfere with the work of another student, faculty member, or University official;
- Use of computing facilities to interfere with normal operation of the University computing system; and
- Knowingly causing a computer virus to become installed in a computer system or file. Details of the policies, procedures, sanctions, and due process for violations of the University of Missouri Student Conduct Code are found in the University of Missouri-Kansas City General Catalogue and the student handbook.

School of Medicine Honor Codes

1. Preamble

Medicine is a profession characterized by 1) a prolonged specialized training in a body of knowledge and skills; 2) ethical principles; 3) a service orientation; and 4) judgment. The medical profession determines its own standards of education, training, licensure, and practice and has long subscribed to a body of ethical statements developed primarily for the benefit of the patient. As a potential future member of this profession, a medical student must recognize responsibility and an obligation not only to patients, but also to society, other health professionals, and self to behave in a manner compatible with the medical profession's standards of conduct.

One of the goals of a medical school is to educate a medical student during the transition to a professional life. The University of Missouri-Kansas City School of Medicine has an obligation to evaluate students pursuing the M.D. degree as thoroughly as possible for their cognitive abilities, their academic and professional knowledge and skills, their integrity, and their suitability for the practice of medicine. Accordingly, the Standards of Professional Conduct detailed in this document have been developed to guide the pre-professional behavior of medical students of the University of Missouri-Kansas City School of Medicine and to prepare the medical students to meet the ethical standards of the medical profession.

2. Standards of Professional Conduct

A. Professional Integrity

1. Honesty

A medical student shall deal honestly with people including, but not limited to, colleagues, instructors, representatives of the University, patients, attending physicians, and other members of the health care team. Medical students are expected to demonstrate honesty and integrity in all aspects of their interaction with patients and staff -- particularly in assuring accuracy and completeness of their part of the medical record. The medical student shall be willing to admit errors and must not mislead others or promote himself/herself at the patient's expense. The medical student shall strive to report, by utilizing the Honor Council Procedures for Violations of the Standards of Professional Conduct, those medical students deficient in character or competence, or who engage in fraud or deception.

The basic principle underlying all research is honesty. Scientists and medical students who participate in research have a responsibility to provide research results of the highest quality; to gather facts meticulously; to keep impeccable records of work done; to interpret results realistically, not forcing them into preconceived molds or models; and to report new knowledge through appropriate channels. Co-authors of research reports must be sufficiently acquainted with the work of their co-workers that they can personally vouch for the integrity of the study and validity of the findings, and must have been active in the research itself.

Examples of academic dishonesty include, but are not limited to, the following:

Cheating

1) use of any unauthorized assistance in taking quizzes, tests, or examinations; 2) dependence upon the aid of sources beyond those authorized by the instructor in writing papers, preparing reports, solving problems, or carrying out other assignments; or 3) acquisition or possession without permission of tests or other academic material belonging to a member of the University faculty or staff; 4) in any way giving assistance to others who are participating in any of the three preceding types of behavior; or, 5) falsifying attendance records or other official documents.

Plagiarism

1) use by paraphrase or direct quotation of the published or unpublished work of another person without fully and properly crediting the author with footnotes, citations or bibliographical reference; 2) unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials; or 3) unacknowledged use of original work/material that has been produced through collaboration with others without release in writing from collaborators.

Sabotage

Unauthorized interference with, modification of, or destruction of the work or intellectual property of another member of the University community.

Examples of dishonesty related to clinical practice include, but are not limited to, the following:

Falsification of Patient's Medical Record

Writing progress notes regarding the patient's status, including, but not limited to, clinical observations or results in the patient's chart when the medical student has not seen or evaluated the patient, or using incorrect times of data entry.

Falsification of Patient's Medical Information

Reporting medical information such as physical examination findings, lab values, test results, and any other relevant patient information to other students, residents, attending physicians, the patient, the patient's family, or other relevant medical personnel that has been fabricated by the medical student.

2. Resposnibility

A medical student must acquire competences with the appropriate concepts, knowledge, and skills which the faculty determine to be essential. These competences shall be utilized to care for the sick and to promote the health and welfare of society. A medical student shall recognize a responsibility to participate in activities contributing to an improved community.

Medical students in the care of patients must not be harmful, dangerous, or negligent to the mental or physical health of a patient or the public. Negligent means the failure to use that degree of skill and learning ordinarily used under the same or similar circumstances by other medical students.

Medical students must pay tuition and other University fees, such as the Quarterly Profile Exam fee, on time. Medical students must complete required forms of evaluation, degree forms, examination applications, etc. on time.

Students must be familiar with and follow the rules and regulations of the School of Medicine, the University, and related professional organizations.

B. Medical Professional Behavior

1. Nondiscrimination

A medical student shall be dedicated to providing supervised competent medical service with compassion, respect for human dignity, and without discrimination. It is against University regulations to discriminate on the basis of race, color, creed, sex, age, national origin, disability, or Vietnam Era Veterans status. The University has an AIDS policy statement consistent with state law that prohibits discrimination against persons with AIDS or who are HIV positive.

2. Representation

A medical student shall accurately represent himself/herself to others including, but not limited to, colleagues, instructors, representatives of the University, patients, attending physicians, and other members of the health care team. Examples of misrepresentation include, but are not limited to, the following:

1. A medical student shall never use the title of "Doctor" or M.D., as this clearly misrepresents the student's position, knowledge, and authority.

2. Use of fraud, deception, lies, or bribery in securing any certificate of registration or authority, diploma, permit or license issued, or in obtaining permission to take any examinations.

3. Impersonation of any person holding a certificate of registration or authority, permit, license or allowing any person to use his/her certificate of registration or authority, permit, license or diploma from any school.

4. Forgery, alteration, or misuse of a patient's medical records or knowingly furnishing false information to the medical team and/or professional organizations.

3. Confidentiality

A medical student shall respect the rights of patients, colleagues, and other health professionals, and shall safeguard patient confidences within the constraints of the law. The patient's right to confidentiality in regard to his/her medical record, which includes confidentiality of personal and social history, is a fundamental tenet to medical care.

The discussion in public of the problems of an identified patient, without the patient's permission, by professional staff (including medical students) violates patient confidentiality and is unethical. Under no circumstances can any medical record be removed from the institution. Photocopying of the entire record is never permitted for presentations or rounds; students are permitted to extract information, but not copy "wholesale" parts of the chart. Names of patients should be omitted from any documents used for these presentations.

4. Disclosure

While the medical student is a member of the medical team and under faculty supervision, a medical student shall continue to study, apply and advance scientific knowledge, make relevant information available to patients, colleagues, and the public, obtain consultation, and use the talents of other health professionals when indicated.

Sharing of medical information appropriately with a patient and colleagues involved in the care of the patient is a fundamental ethical requirement. The patient must be well informed to make health care decisions and work intelligently in partnership with the medical team. Information that the patient needs for decision making shall be presented in terms the patient can understand. If, for some reason, the patient is unable to comprehend, there shall be disclosure to the patient's authorized representative.

Failure of a medical student to share medical information relevant to a patient with the patient and colleagues involved in the care of the patient is unethical. Providing inaccurate information with these individuals is also unacceptable.

5. Assessment of Personal Competence (Self-Evaluation)

Medical students shall seek consultation and supervision whenever their ability to play their role in the care for a patient is inadequate because of lack of knowledge or experience.

Students are expected to respond to constructive criticism by appropriate modification of behavior.

It is unacceptable for a medical student to attempt procedures or to prescribe therapies without supervision.

6. Professional Demeanor

The medical student is expected to be thoughtful and professional when interacting with patients and their families, attending physicians, supervising residents, and other medical students, and whenever his/her behavior may influence adversely the judgments of others about the professional school or University.

Students shall maintain a neat and clean appearance, and dress in attire that is generally accepted as professional by the patient populations served.

Inappropriate behavior includes, but is not limited to, the use of offensive language, gestures, or remarks. Attempting, directly or indirectly, by way of intimidation, coercion or deception, to obtain or retain a patient or discourage the use of a second opinion or consultation is not appropriate.

7. Informed Consent

Students are to understand the physician's obligation to obtain informed consent from patients, but are not responsible for obtaining it for a physician. Simply, it is the physician's responsibility to ensure that the patient or his/her surrogate be appropriately informed as to the nature of the patient's medical condition, the objectives of proposed treatments, treatment alternatives, and risks involved. The patient's or surrogate's concurrence must be obtained without coercion.

8. Conflict of Interests

If a conflict of interest arises, the moral principle is clear -- the welfare of the patient must be, at all times, paramount. For example, gifts, hospitality, or subsidies offered by manufacturers and distributors of medical and pharmaceutical equipment/goods shall not be accepted if acceptance would influence the objectivity of clinical judgement.

9. Misconduct with Patients

The medical student will not engage in romantic, sexual, or other non-professional behaviors with a patient -- even upon the apparent request of a patient -- while the medical student is involved with the patient's care.

10. Impairment

The medical student will not use alcohol or drugs in ways that impair his/her ability to perform the work of the profession or results in compromised patient care. It is the responsibility of every medical student to strive to protect the public from an impaired colleague and to assist that colleague whose capability is impaired because of alcohol or drug use.

In some instances a medical student's alcohol or drug problem may also be referred to the AIMS Council. However, consideration by the AIMS Council does not remove the medical student's obligation to comply with these Standards of Professional Conduct or the University's Student Conduct Code.

11. Criticism of Colleagues

Professional relations among all members of the medical community shall be marked by civility. Scholarly contributions shall be acknowledged and each person shall recognize and facilitate the contributions of others to this community; slanderous comments and acts are not acceptable. Medical students shall deal with professional, staff, and peer members of the health team in a considerate manner and with a spirit of cooperation.

It is unethical and harmful for a medical student to disparage, without sufficient evidence, the professional competence, knowledge, qualifications, or services of a colleague to anyone. It is also unethical to imply without reliable evidence -- by word, gesture, or deed -- that a patient has been poorly managed or mistreated by a colleague.

12. Teaching

The word "doctor" (for the Latin "docere" -- to teach) implies a responsibility to share knowledge and information with colleagues and patients. It is incumbent upon those entering this profession to teach what they know of the science, art, and ethics of medicine. It includes communicating clearly and teaching patients so that they are properly prepared to participate in their own care and in the maintenance of their health.

3. University of Missouri Student Conduct Code

In addition to the conduct detailed in the preceding sections, a medical student is subject to the University of Missouri Student Conduct Code, as administered by the Office of the Vice Chancellor for Student Affairs, except for provisions dealing with academic dishonesty, Section 200.010 B.1.

Conduct for which students are subject to sanctions falls into the following categories:

A. Forgery, alteration, or misuse of University documents, records or identification, or knowingly furnishing false information to the University.

B. Obstruction or disruption of teaching, research, administration, conduct proceedings, or other University activities, including its public service functions on or off campus.

C. Physical abuse or conduct which threatens or endangers the health or safety of any person.

D. Attempted or actual theft of, damage to, or possession without permission of property of the University or of a member of the University community or of a campus visitor.

E. Unauthorized possession, duplication, or use of keys to any University facilities or unauthorized entry to or use of University facilities.

F. Violation of University policies, rules or regulations or of campus regulations including, but not limited to, those governing residence in University-provided housing, or the use of University facilities, or the time, place and manner of public expression.

G. Manufacture, use, possession, sale, or distribution of alcoholic beverages or any controlled substance without proper prescription or required license or as expressly permitted by law or University regulations.

H. Disruptive or disorderly conduct or lewd, indecent, or obscene conduct or expression.

I. Failure to comply with directions of University officials acting in the performance of their duties.

J. Illegal or unauthorized possession of firearms, explosives, other weapons, or dangerous chemicals.

K. Actual or attempted theft or other abuse of computer time, including but not limited to: a) unauthorized entry into a file to use, read, or change the contents, or for any other purpose; b) unauthorized transfer of a file; c) unauthorized use of another individual's identification and password; d) use of computing facilities to interfere with the work of another student, faculty member, or University official; e) use of computing facilities to interfere with normal operation of the University computing system; and f) knowingly causing a computer virus to become installed in a computer system or file.

Details of the policies, procedures, sanctions, and due process for violations of the University of Missouri Student Conduct Code are found in the University of Missouri-Kansas City General Catalog.

HONOR COUNCIL PROCEDURES FOR VIOLATIONS OF THE STANDARDS OF PROFESSIONAL CONDUCT

University of Missouri-Kansas City School of Medicine
Approved by the University of Missouri Board of Curators: December 1994

Honor Council Procedures for Violations of the Standards of Professional Conduct

University of Missouri-Kansas City School of Medicine

I. Jurisdiction of the Honor Council

The Honor Council shall be concerned with incidents of alleged violations by University of Missouri-Kansas City School of Medicine students of the School's Standards of Professional Conduct, Sections II.A and II.B. Violations of Section III will be referred to the Office of the Vice Chancellor for Student Affairs. The standards identify areas of conduct which are judged unacceptable for individuals either who are in or aspire to the profession of medicine. The Standards of Professional Conduct are published in the Council on Evaluation Policy Manual and Guidelines document of the School of Medicine. It is distributed to all newly accepted students during orientation. When a medical student has been charged with one or more acts of misconduct according to these standards, the Honor Council shall adhere to the following procedures detailed herein. The Honor Council shall have the authority to recommend sanctions upon any student appearing before the Council. The disciplinary proceedings described are not to be construed as judicial trials. Care shall be taken, however, to comply as fully as possible with the spirit and intent of these procedural safeguards.

II. Organization of the Honor Council

1. Composition

The Honor Council voting members shall consist of the Chair representing the Dean's Office, five faculty/staff members (1 Docent, 1 Basic Scientist, 2 Clinical Scientists, and 1 Humanities/Social Sciences representative), and one student member (1 Years III-VI). Four members constitute a quorum. Two nonvoting Honor Council staff, the Council Coordinator and the Administrative Assistant, assist the Chair in investigations and generation of reports and are present at the hearings to take minutes.

2. Eligibility and Appointment

Faculty/staff, and student members shall be appointed to the Honor Council by the Dean of the School of Medicine.

3. Chair

The Chair shall count as one member of the Honor Council and shall be entitled to vote on all matters before the Council.

4. Time of Appointment and Term of Office

The Chair and faculty/staff members of the Honor Council shall serve for the duration of their appointments by the Dean. The student member of the Honor Council shall serve for one year.

A student is ineligible to continue as a member of the Honor Council if he/she is placed on academic or disciplinary probation, or if for any other reason his/her continued membership on the Council may not be in the best interest of the School of Medicine as determined by the Dean.

III. Procedures for Report of Violation, Investigation, Informal Disposition, and Notice

A. Report of Violation

An alleged violation of the Standards of Professional Conduct should be reported to the Chair or his/her designee of the Honor Council as soon as possible after discovery of the incident.

B. Preliminary Procedures and Investigation

The Chair of the Honor Council or his/her designee shall investigate any reported student misconduct before initiating formal conduct procedures. The reporter will be requested to meet with the Chair or his/her designee to discuss the alleged violation.

The Chair is responsible for notifying, in writing, the accused student of the charge brought against him/her prior to the commencement of the investigation. In addition, the student charged with misconduct shall receive a copy of these Procedures for Violations of the Standards of Professional Conduct along with the written notice. The Chair shall meet with the accused student to give the student the opportunity to present a personal version of the incident or occurrence.

C. Informal Disposition

After conducting an investigation, the Chair or his/her designee shall provide a written report to the Dean, the accused student, and the Honor Council members.

The Chair shall have the authority to dismiss a charge that is determined unfounded or to impose appropriate sanctions and shall fix a reasonable time within which the student shall accept or reject a proposed informal disposition.

A failure of the student either to accept or reject within the time fixed shall be deemed to be an acceptance and, in such event, the proposed disposition shall become final upon expiration of such time.

If the student rejects informal disposition, it must be in writing and shall be forwarded to the Honor Council.

The Chair may refer cases to the Honor Council for formal investigation and hearing without first offering informal disposition.

The Dean or his/her designee may at any time temporarily suspend or deny readmission to a student from the School of Medicine pending formal procedures when the Dean or his/her designee finds and believes from available information that the presence of a student on campus would seriously disrupt the School of Medicine or constitute a danger to the health, safety, or welfare of members of the School of Medicine community. The appropriate procedure to determine the future status of the student will be initiated within seven calendar days.

D. Notice of Hearing

Upon completion of the investigation, when a student rejects informal disposition or the charge justifies a formal hearing, in the judgment of the Honor Council Chair, the Chair will schedule a formal hearing as soon as possible.
The reporter, witnesses, and accused student will be given written notice of the hearing by certified mail or personal delivery. The notice shall set forth the date, time, and place of the alleged violation, the conduct for inquiry, the date, time, and place of the hearing before the Council, request for attendance of the parties involved, and a reference for the accused student to the Rights of the Accused Student Upon Hearing which are outlined in these Procedures.

Notice by certified mail may be addressed to the last address currently on record with the School of Medicine. Failure by the accused student to have a current correct local address on record with the School of Medicine shall not be construed to invalidate such notice.

The notice shall be given at least seven (7) consecutive calendar days prior to the hearing, unless a shorter time be fixed by the Chair for good cause.

Any request for continuance shall be made in writing to the Chair who shall have the authority at his/her discretion to postpone the hearing if he/she determines the request is timely and made for good cause. The Chair shall notify the Honor Council members, the accused student, the reporter, the witnesses, and any other relevant individuals of the new date for the hearing.

If the accused student fails to appear at the scheduled time, the Honor Council may hear and determine the matter in the student's absence.

XV. Procedure for Honor Council Hearing

Rights of the Honor Council

The Honor Council shall have the right to:

- hear together cases involving more than one student which arise out of the same act of misconduct, but in that event shall make separate findings and determinations for each student;
- permit a stipulation of facts by the Honor Council member who performed the investigation and the student involved;
- permit the incorporation in the record by a reference of any document, affidavit, or other material produced and desired in the record by the School of Medicine or the student charged;
- question witnesses or challenge other evidence introduced by either the School of Medicine or the student at any time;
- hear from the Council Chair about dispositions made in similar cases
- and any dispositions offered to the student appearing before the Council;
- call additional witnesses or require additional investigation;
- dismiss any action at any time or permit informal disposition as otherwise provided;
- permit or require at any time, within a reasonable time as determined by the Council, amendment of the Notice of Hearing to include new or additional matters which may come to the attention of the Council before final determination of the case; provided, however, that in such event the Council shall grant to the student or the School such time as the Council may determine reasonable under the circumstances to answer or explain such additional matters; and,
- dismiss any person from the hearing who interferes with or obstructs the hearing or fails to abide by the rulings of the Council Chair on any procedural question or request of the Chair for order.

A. Rights of the Accused Student Upon Hearing

A student scheduled to appear before the Honor Council pursuant to formal notice of charges and disciplinary hearing shall have the right to:

- submit a written response to the charge outlined in the Notice before the scheduled hearing is to commence;
- request in advance of the scheduled hearing a review of any materials contained in his/her hearing file which will be kept in the Council on Evaluation Office;
- submit a written request for the identities of witnesses to be called to testify before the Council;
- be present at the hearing;
- have an adviser or counselor appear with him/her and to consult with such an adviser or counselor during the hearing; however, the adviser/counselor will not be allowed to question witnesses and/or members of the Council;
- hear or examine evidence presented to the Honor Council against him/her;
- question witnesses present who are testifying against him/her at the hearing;
- present evidence by witness, affidavit, written report, other memoranda, photographs, drawings, and any other relevant evidence of any defense the student desires;
- make any statement to the Honor Council in mitigation or explanation of the conduct in question;
- remain silent to avoid self-incrimination;
- be informed in writing of the findings and any decisions imposed by the Honor Council, Coordinating Committee, and the Dean; and,
- appeal the decision and/or disposition to the Chancellor, as herein provided.

B. Rights of Witnesses

Witnesses shall be notified of the scheduled time, date, and location of the hearing. Witnesses shall bring with them whatever documentation is requested. Failure of a student witness to appear, without good cause, is a violation of the Standards of Professional Conduct.

C. Record of Hearing

All proceedings of the Honor Council are to be held in the strictest confidence by the members and all other persons involved. The hearings shall be audio taped, and written minutes are also recorded. The notice, exhibits, hearing record, verdict, and disposition of the Honor Council shall become the "Record of the Case". This official document shall be filed under strictest security in the permanent records of the Evaluation Council Office. The record shall be accessible at reasonable times and places to both the University and the student for the purpose of review or appeal.

D. Conduct of the Hearing

The Honor Council Chair shall preside at the hearing, call the hearing to order, call the roll of the Honor Council members in attendance, ascertain the presence or absence of the student charged with misconduct, read the Notice of Hearing and charge and verify the receipt of notice of charge by the student, report any continuances requested or granted, establish the presence of any adviser or counselor of the student, call to the attention of the student charged and the adviser any special or extraordinary procedures to be employed during the hearing, and permit the student to make suggestions of or objections to any procedures for the Honor Council to consider.

All requests to address the Council shall be addressed to the Chair. The Chair will rule on all requests and points of order and may consult with Council's legal adviser prior to any ruling. The Chair's ruling shall be final, and all participants shall abide thereby, unless the Chair shall present the question to the Council at the request of a member of the Council, in which event the ruling of the Council by majority vote shall be final.

Rules of common courtesy and decency shall be observed at all times. An adviser or counselor may be permitted to address the Council at the discretion of the Chair. An adviser or counselor may request clarification of a procedural matter or object on the basis of procedure at any time by addressing the Chair after recognition.

Opening Statements:

1) The Honor Council Chair or his/her designee shall make opening remarks outlining the general nature of the case and testify to any facts the investigation has revealed. 2) The accused student may make an opening statement to the Council about the charge at this time or at the conclusion of the School of Medicine's presentation.

School of Medicine Evidence:

1) School of Medicine witnesses are to be called by the Chair of the Honor Council and identified or written reports of evidence are introduced as appropriate. 2) The Council may question witnesses at any time. 3) The student may question witnesses or examine evidence at the conclusion of the School of Medicine's presentation.

Student Evidence:

1) The student shall have the opportunity to make a statement to the Honor Council about the charge. 2) The student may present evidence through witnesses or written memoranda. 3) The Council may question the student or witnesses at any time.

Rebuttal Evidence:

The Honor Council may permit the School of Medicine or the student to offer a rebuttal of the other's presentation.

If it appears that essential testimony is unavailable, or that for other good cause the hearing should be deferred, the Council may continue, recess or discontinue the hearing without prejudice.

V. Determination of the Honor Council

Following the hearing, the Council shall promptly deliberate in closed session out of the presence of the student charged. Determination is to be made regarding both the validity of the misconduct charge *and* on the discipline, if any, to be imposed.

A. Violation of the Standards of Professional Conduct

The Honor Council shall determine if the evidence presented in the hearing supports the charge of violation of the Standards of Professional Conduct. The Council shall render a decision, by simple majority vote, of whether a violation has been committed by the accused. Each charge of misconduct, if there are more than one, shall be considered

individually and/or collectively at the discretion of the Council.

B.Discipline Imposed

The Honor Council shall determine the discipline to be imposed, if any, based upon its deliberations. One of the following forms of discipline is to be recommended by means of simple majority vote of the Council members. Where there are multiple violations, there can be separate sanctions for each violation. The sanctions include, but are not limited to, the following:

No Disciplinary Action.

Given when the student is not found in violation of the Standards of Professional Conduct.

Warning.

A written reprimand to the student that the student has violated the Standards of Professional Conduct. A copy is to be placed in the student's file.

Probation.

A written reprimand to the student for violation of the Standards of Academic Conduct that includes a designated period of time, the probability of more severe sanctions if the student violates any institutional regulation(s) during the probationary period, and subject to any appropriate terms or conditions, such as loss of privileges, restitution, and discretionary assignments.

Suspension.

An involuntary separation of the student from the School of Medicine for a specified period of time or until a special conditions have been met, with a statement whether suspension should relate back to the date of the offense, begin at the time imposed, or begin at a date specified in the future. At the conclusion of the period of suspension, the suspended student is automatically returned to student status. Conditions for readmission may be specified.

Dismissal.

An involuntary separation from the the School of Medicine for an indefinite period of time. The order of dismissal may specify a date before which the faculty will not consider a petition for readmission from the dismissed student.

Expulsion.

Permanent separation of the student from the School of Medicine.

The above sanctions apply to the status of the accused student in the School of Medicine. Any sanction impacting a student's enrollment status and/or privileges will be forwarded to the Vice Chancellor for Student Affairs or designee for information purposes.

An oral presentation of the Council's findings and recommendations is permitted following the hearing, but a written document including findings of fact, verdict, and recommended disposition shall be completed as soon as possible after the hearing. This Final Report of the Council shall be submitted to the Coordinating Committee, the Dean, and the Office of the Vice Chancellor for Student Affairs.

VI. Decision of the Coordinating Committee

The findings and determination of the Honor Council serve as recommendations to the Coordinating Committee and to the Dean of the School of Medicine. The Coordinating Committee, chaired by the Associate Dean for Academic Affairs and composed of members detailed in The Academic Plan for the School of Medicine, reviews the charge of misconduct, the findings of fact, the decision of the Council, and the recommended discipline to be imposed from the Honor Council.

After deliberation and careful consideration, the Coordinating Committee approves, by simple majority vote, one of the following actions: 1) to sustain the recommendations of the Honor Council; 2) to amend the recommendations of the Honor Council to another type of sanction; 3) to remand the Honor Council's recommendations; or, 4) to reverse the Honor Council's recommendations.

The findings and determinations of the Honor Council and the Coordinating Committee shall be transmitted to the Dean in writing within seven (7) consecutive calendar days following the Coordinating Committee meeting. A copy of this recommendation shall also be transmitted to the accused student by certified mail or personal delivery in the indicated time frame.

VII. Decision of the Dean

Upon receipt of the documents from the Honor Council and the Coordinating Committee, the Dean shall review the entire record that includes the following: 1) formal notice of the charges; 2) minutes of the Honor Council hearing; 3) written findings of the Honor Council and its recommendations to the Coordinating Committee; and 4) written decision of the Coordinating Committee concerning the sanction passed.

The Dean will, within a reasonable amount of time, make a decision to either affirm, amend, or reverse the Coordinating Committee's sentence, or remand the Coordinating Committee for further proceedings.

The Dean shall notify the student in writing by certified mail or personal delivery of his/her final decision. Copies of the letter will be sent to the Honor Council Chair, the Coordinating Committee Chair, and the Evaluation Council Office for placement in the student's file and in the official hearing file.

VIII. Right of Appeal

When a recommendation from the Honor Council and the Coordinating Committee is made for some form of disciplinary action other than "none", and this is upheld by the Dean, or if a recommendation of "no disciplinary action" is revised to one of greater severity by the Dean, the student may appeal such decision to the Chancellor or his/her designated representative by filing written notice of appeal with the Chancellor within ten (10) consecutive calendar days after notification of the decision of the Dean. A copy of the Notice of Appeal will also be given by the student to the Dean of the School of Medicine at the time of filing. The student may file a written memorandum for consideration by the Chancellor with the Notice of Appeal.

The Chancellor or his/her designated representative shall review the full record of the case and the appeal documents and may affirm, reverse, or remand the case for further proceedings and shall notify the Dean and the student in writing of the decision on the appeal. The action of the Chancellor shall be final unless it be to remand the matter for further proceedings.

Status during Appeal: In cases of suspension, dismissal or expulsion where a Notice of Appeal is filed within the required time, a student may petition the Chancellor in writing for permission to attend classes pending final determination of appeal. The Chancellor may permit a student to continue in school under such conditions as may be designated pending completion of appellate procedures, provided such continuance will not disrupt the University or constitute a danger to the health, safety or welfare of the University community. In such event, however, any final disciplinary action imposed shall be effective from the date of the action of the Dean.

IX. Status of the Standards of Professional Conduct

Amendments to the Standards of Professional Conduct and/or Honor Council Procedures for Violations may be proposed by petition of any twenty-five members of the student body, the Honor Council on its own motion, or the faculty.

A proposed amendment in the Standards of Professional Conduct and/or Honor Council Procedures for Violations must be approved by the Honor Council, the Coordinating Committee, the Dean, the Chancellor, and the Board of Curators.

The Standards of Professional Conduct and/or Honor Council Procedures for Violations may be terminated at any time by action under the general amending procedure.

All students in the School of Medicine are subject to the jurisdiction of the Standards of Professional Conduct and Honor Council Procedures for Violations upon enrollment.

To insure their knowledge of the Standards of Professional Conduct and Honor Council Procedures for Violations, the presentation of these documents shall be an integral part of the orientation of newly accepted students to the School of Medicine.

SCHOOL OF DENTISTRY HONOR CODES

STANDARDS OF PROFESSIONAL CONDUCT

(Approved by the Faculty of the School of Dentistry: 9/12/2002, Curator approval 4/2004)

Definition: In this document, "student" shall refer to any person having once been admitted to the School of Dentistry who has not completed a course of study and who intends to or does continue a course of study in or through the School of Dentistry. For the purpose of these rules, student status continues whether or not the University's academic programs are in session.

Students at the University of Missouri at Kansas City School of Dentistry are seeking special knowledge, skills, and privileges. The confirmation of a professional degree, inferring the acquisition of knowledge and privileges, places the graduate of this institution in a unique position of assuming direct responsibility for health issues of those persons and institutions who place their trust in the University and the dental and dental hygiene professions. It is a demonstration of, and commitment to, special knowledge, protection of privileges, and assumption of responsibility and trust that, by definition, delineates a professional. Therefore, those who would aspire to receive the confirmation of a professional degree are expected to provide satisfactory evidence that exceeds knowledge and technical competence. Evidence that the well-being of patients, trust of society and respect of colleagues is a primary goal must be demonstrated. Accordingly, students must subscribe to principles of ethics and a code of professional conduct that gives testimony to their commitment and ability to deserve the privileges and trust with which society and their patients will honor them. This document serves as a guide for students.

The Standards of Professional Conduct are drawn from the Principles of Ethics and Code of Professional Conduct of the American Dental Association, and the American Dental Hygienists' Association Code of Ethics. The former recognizes that students are under the supervision of graduate dentists and dental hygienists and other faculty during interactions with patients. Students should aspire to meet the high ideals of their professions which may exceed their legal duties, but must meet the minimum standards expressed in the School of Dentistry's Code of Professional Conduct.

A. Dental and dental hygiene students must achieve and consistently demonstrate acceptable levels of personal hygiene and dress.

B. Dental and dental hygiene students must achieve and consistently demonstrate concern for patients, peers, and others. Dental and dental hygiene health care providers have a duty to ensure:

1. Patients are treated according to their desires and must be included in treatment decisions.

2. Patient confidentiality in the entire range of the provider-patient relationship which includes dental records.

3. That no harm or potential harm is done to the patient either through intent, ignorance, lack of preparation for the patient encounter, lack of skill, personal impairment of any kind.

4. That no patient is "abandoned" which is defined as discontinuance of care without just cause and without giving the patient adequate notice and the opportunity to obtain the services of another provider.

5. That the patient's welfare (i.e. the provision of competent and timely delivery of dental care within the bounds of clinical circumstances as presented by the patient such as needs, desires and values) is paramount and takes precedence above all else. This also includes the obligation to a) identify and report perioral signs of abuse and neglect and to consult with faculty to report suspected cases to proper authorities as required by law; and, b) report instances of faulty treatment whether intentional or not, to the appropriate faculty member.

6. That all people including patients, staff, faculty and all other individuals are treated fairly, respectfully, and without prejudice.

7. All standards and requirements of patient care established by the School of Dentistry are followed.

C. Dental and dental hygiene students' behavior must exemplify the highest moral and ethical standards. The following represents conduct that is incompatible with these standards:

1. Any behavior that tends to gain an unfair advantage for any student in an academic matter. This includes, but is not necessarily limited to, the following guidelines:

a. No student shall, during an examination have, use or solicit any unauthorized information or material (written or oral), copy from another student's paper or discuss the examination with any other person.

b. No student shall during an examination knowingly give any unauthorized aid to another student.

c. No student shall acquire by any means knowledge of the contents of an examination yet to be given.

d. No student shall fraudulently claim for credit any classroom, clinical, laboratory, or other procedure or assignment performed by an unauthorized person, including a fellow student.

Anyone who has reasonable cause to believe that a student has acted unethically is obligated to bring the matter to the attention of the Assistant Dean for Student Programs or his/her designee who will follow the process identified in the Preliminary Procedures section of the UMKC School of Dentistry Honor Council Due Process Procedures for Violations of the Standards of Professional Conduct, to determine whether there has been a violation and whether charges should be brought.

SCHOOL OF NURSING HONOR CODES

HONOR CODE PROCEDURES FOR VIOLATIONS OF THE STANDARDS OF PROFESSIONAL AND ETHICAL BEHAVIOR UNIVERSITY OF MISSOURI-KANSAS CITY SCHOOL OF NURSING

I. JURISDICTION OF THE SCHOOL OF NURSING

The School of Nursing (SON) shall have jurisdiction over incidents of alleged violations of the University of Missouri-Kansas City School of Nursing's Standards of Professional and Ethical Behavior, Sections IIA and IIB by students accepted into degree programs in the School of Nursing while at the School of Nursing or enrolled in any nursing course or on clinical rotations at affiliated institutions. Alleged violations of the University of Missouri Student Conduct Code as described in Section III will be referred to the Office of

the Vice Chancellor for Student Affairs. The Standards of Professional and Ethical Behavior identify areas of conduct which are judged unacceptable for individuals who are either in or aspire to be in the profession of nursing. The Standards of Professional and Ethical Behavior and these Procedures will be distributed to all newly enrolled students during orientation. When a nursing student has been charged with one or more acts of misconduct according to these standards, the Honor Council shall adhere to the following procedures detailed herein.

The Honor Council shall have the authority to recommend sanctions upon any accused appearing before the Council. The disciplinary proceedings described are not to be construed as judicial trials. Care shall be taken, however, to comply as fully as possible with the spirit and intent of these procedural safeguards.

II. Sanctions

The following sanctions may be imposed upon any nursing student found to have violated Sections IIA and IIB of the University of Missouri – Kansas City School of Nursing Standards of Professional and Ethical Behavior:

Warning – A notice in writing that the student is violating or has violated the Standards of Professional and Ethical Behavior.

Probation – A written reprimand for violation of specific provisions of the Standards of Professional and Ethical Behavior that includes a designated period of time and the probability of more severe sanctions if the student violates any institutional regulations(s) during the probationary period.

Loss of Privileges - Denial of specified privileges in the School of Nursing for a designated period of time. Discretionary Sanctions. Work assignments in the School of Nursing, service to the School of Nursing, or other related discretionary assignments in the School of Nursing.

Suspension from the School of Nursing – An involuntary separation from the School of Nursing for a specified period of time after which the student is eligible to return. Conditions for readmission may be specified.
Dismissal from the School of Nursing – An involuntary separation from the School of Nursing for an indefinite period of time. It does not imply or state a minimum separation time.

Expulsion from the School of Nursing – Permanent separation from the School of Nursing.

III. Organization of the Honor Council

A. Composition

The Honor Council members shall consist of the Chair; three voting faculty members, one representing each program, BSN, MSN, PhD (3 votes); five student members, 4 from the BSN program and one from the MSN or PhD program. Five members or their alternates (2 faculty, excluding the chair, and three students) constitute a quorum. An assigned staff member will assist the Chair in generation of reports and will be present at the hearings to take minutes.

B. Eligibility and Appointment

Faculty members Voting members of the faculty who have no more than a 50% administrative appointment are eligible to serve as chair or members of the honor council. Voting members of the School of Nursing Faculty Forum shall elect the chair of the Honor Council and the undergraduate and graduate faculty representatives. Alternates for each position will also be elected.

Student members In order to be eligible for election to the Honor council, students must be in good standing within the School. A student who is placed on academic or disciplinary probation is ineligible for service on the Honor council. In addition, a student may be determined ineligible for service if his or her membership on the Council is assessed by the Chair not to be in the best interest of the School.

Each BSN class shall elect their student representative and their alternates. The graduate representative and alternate shall be elected from among students in all SON graduate programs.

C. Time of appointment and Term of Office

All members shall serve a one-year appointment, with the exception of the chair who will serve 2 years. Members may be serve more than one term if they are re-elected in subsequent years. Members will serve until they resign or a new member is voted into their position.

Election of student members shall be held on an annual basis at the beginning of the academic year, no later than September 15.

Election of faculty will occur at the last spring faculty forum meeting of the year for the next academic year during regular School committee elections. Faculty vacancies are filled by special election.

After fall elections, a preliminary meeting of all members (including the chair) will be held within two weeks in order to discuss the role and function of the Honor Council.

D. Hearing Panel of the Honor Council

All faculty representatives including alternate and the three most senior students not in the accused student's class will serve as a hearing panel for the honor code violation. A chair of the Hearing Panel will be elected by simple majority vote of the members of the panel.

Voting by the hearing panel will take place by secret ballot.

The chair of the hearing panel will not vote except in case of a tie among the rest of the hearing panel in which case, the chair shall vote to break the tie.

Proxy votes will not be allowed.

E. Primary Administrative Liaison (PAL)

A primary administrative liaison (PAL) will be appointed by the Dean for a minimum of a two year term. The PAL is not eligible to serve as a member of the Honor Council while serving as the PAL. The PAL and the Chair, when possible, should be serve overlapping terms. The PAL will draft the charge and represent the School of Nursing in all cases.

IV. Procedures for Report of Violation, Investigation, Informal Disposition, and Notice

A. Report of Violation

An alleged violation of the Standards of Professional and Ethical Behavior should be reported to the PAL of the Honor Council or designee as soon as possible after discovery of the incident. The PAL shall inform the chair and Honor Council of the alleged violation within one week if a hearing will be required. The Chair shall notify the Dean of all accusations. If the PAL determines that no violation occurred then the Dean and the Honor Council will be informed via an annual report submitted at the end of each academic year.

B. Preliminary Procedures and Meeting

The PAL shall determine whether the allegations fall within Sections IIA or IIB, or Section III of the Standards of Professional and Ethical Behavior, and shall refer any allegations of violations of Section II to the UMKC Office of Student Affairs. The PAL shall investigate any reported violation of Sections IIA or IIB before initiating formal conduct procedures.

The PAL will notify the accused, in writing by certified mail, of the allegations brought against him/her prior to the commencement of the preliminary meeting between the PAL and the student. In addition, the student shall receive a copy of these Procedures for Violations of the Standards of Professional and Ethical Behavior along with the written notice. The PAL shall meet with the accused student to give the student the opportunity to present a personal version of the incident or occurrence.

Following the investigation the PAL shall determine the appropriate preliminary outcome: no formal charge of misconduct, informal disposition, or formal disposition involving an honor council meeting. The PAL will notify the Chair and the Dean of the outcome as required in section IV A.

C. Informal Disposition

The PAL shall have the authority to propose appropriate sanctions to the accused student and within a week the student shall accept or reject a proposed informal disposition.

A failure of the student either to accept or reject the informal disposition within the 10 working days shall be deemed to be an acceptance and, in such event, the proposed disposition shall become final upon expiration of such time.

If the student rejects informal disposition, it must be in writing and the matter shall then be forwarded to the Honor Council for a formal hearing.

D. General Statement of Procedures

A student charged with a breach of the Standards of Professional and Ethical Behavior is entitled to a written notice of the charge against him or her and a formal hearing unless the matter is disposed of under the rules for informal disposition. Honor Code Procedures are not to be construed as judicial trials and need not wait for legal action before proceeding; however, care shall be taken to comply as fully as possible with the spirit and intent of the procedural safeguards set forth herein. The University of Missouri Office of the General Counsel shall be legal adviser to the Committee and to the PAL.

E. Notice

The PAL shall initiate formal proceedings by arranging with the chair to call a meeting of the Honor Council and by giving written notice to the accused student by email and by certified mail to the student's last address currently on record with the Office of the Registrar. Failure of the student to have a current correct local address on record shall not be construed to invalidate such notice. The notice shall set forth the date, time and place of the alleged violation and the date, time and place of the hearing before the Honor Council.

F. Conflicts of Interest

Any member of the Honor Council may recuse him or herself if he or she believes he or she has a conflict of interest. The PAL or the accused student may raise the question of a member's Conflict of Interest at the initial meeting of the Honor Council to hear the charge against the student, and the Chair will determine whether the member should be recused. The member will be replaced by his or her alternate. If both the member and the alternate are recused, the appropriate electing body will chose a second alternate for this case only. [See Section IIB for election procedures.].

G. Temporary Suspension

The Dean or his/her designee may at any time temporarily suspend or deny readmission to a student from the School of Nursing pending formal procedures when the Dean or his/her designee finds and believes from available information that the student would seriously disrupt the School of Nursing or constitute a danger to the health, safety or welfare of members of the School of Nursing Community. The appropriate procedure to determine the future status of the student will be initiated within seven calendar days.

V. Procedure for Honor Council Hearing

A. Rights of the Honor Council

· Hear together cases involving more than one accused student which arise out of the same transaction or occurrence, but in that event shall make separate findings and determinations for each accused;

· Permit a stipulation of facts by the involved accused and the PAL;

· Permit the incorporation in the record by a reference of any documentation produced and desired in the record by the PAL or the accused student;

· Question witnesses or challenge other evidence introduced by either the PAL or the accused student at any time;

· Hear from the PAL about dispositions made in similar cases and any dispositions offered to the student appearing before the Committee;

· Call additional witnesses or require additional investigation; · Dismiss any action at any time;

· Permit or require at any time amendment of the Notice of Hearing to include new or additional matters which may come to the attention of the Council before final determination of the case; provided, however, that in such event the Council shall grant to the accused or the PAL such time as the Council may determine reasonable under the circumstances to answer or explain such additional matters; and,

· Dismiss any person from the hearing who interferes with or obstructs the hearing or fails to abide by the rulings of the Council Chair.

B. Rights of the Accused Student Upon Hearing – An accused student appearing before the Honor Council shall have the right to:

Submit, if he or she should choose to do so, a written response to the charge outlined in the Notice before the scheduled hearing is to commence;

· Review and obtain copies, in advance, of any materials that will be presented by the PAL at the hearing;

· Submit a written request for a list of witnesses to be called by the PAL at the hearing;

· Be present at the hearing;

· Have an advisor or counselor appear with the accused and to consult with such an adviser or counselor before and/or during the hearing; however, the adviser/counselor will not be allowed to question witnesses and/or address members of the Council. The accused student must notify the chair at least 48 hours in advance with the name and relationship of the advisor and the name of any witness that will attend the hearing;

· Hear or examine evidence presented to the Honor Council; · Question the PAL and any witnesses who testify at the hearing;

· Present evidence by witness, affidavit, or documents in any media; · Make any statement to the Honor Council in mitigation or explanation of the conduct in question;

· Be informed in writing of the findings and any decisions imposed by the Honor Council;

· Appeal the decision and/or disposition to the Dean and to the Chancellor, as herein provided.

C. Conduct of the Hearing

All proceedings of the Honor Council are to be held in confidence by the members. The hearings shall be taped or stenographically recorded. The notice, exhibits, hearing record, verdict, and findings and determination of the Honor Council shall become the record of the Case and shall be filed in the Dean's office at the School of Nursing. The record shall be accessible at the reasonable times and places to both the PAL and the accused student for the purpose of review or appeal.

The Honor Council Chair shall preside at the hearing, call the hearing to order, call the roll of the Honor Council members in attendance, ascertain the presence or absence of the accused student, read the Notice of Hearing and Charge and verify the receipt of Notice of Charge by the accused, report any continuances requested or granted, establish the presence of any adviser or councselor of the accused student, call to the attention of the accused student and the adviser any special or extraordinary procedures to be employed during the hearing, and permit suggestions for or objections to any procedures for the Honor Council to consider. NOTE: Advisors will not be allowed to question the PAL, witnesses, and/or address members of the Council.

All requests to address the Council shall be addressed to the Chair. The Chair will rule on all requests and points of order and may consult with Council's legal advisor prior to any ruling. The Chair's ruling shall be final, and all participants shall abide thereby, unless the Chair shall present the question to the Council at the request of a member of the Council, in which event, the ruling of the Council by majority vote shall be final.

Rules of common courtesy and decency shall be observed at all times.

1. Opening Statements:

· The PAL may make an opening statement outlining the general nature of the case.

· The accused student may make an opening statement to the Council about the charge at this time or at the conclusion of the School of Nursing's presentation.

2. School of Nursing's Evidence:

· Witnesses of the School of Nursing are to be called, identified and questioned by the PAL, and any written reports or evidence introduced by the PAL as appropriate.

· The Council may question witnesses at any time.

· The accused student may question witnesses or examine evidence at the conclusion of the PAL's presentation.

3. Accused Student's Evidence:

· If the accused student has not elected to make an opening statement previously, he or she shall have the opportunity to make a statement to the Honor Council about the charge at this time.

· The accused student may present evidence through questioning witnesses or by written memoranda or other documents.

· The Council may question the accused student or witnesses at any time.

· The PAL may question witness or examine evidence at the conclusion of the accused student's presentation.

4. Rebuttal Evidence:

The Honor Council may permit the PAL or the accused to offer a rebuttal to the other's presentation.

VI. Determination of the Honor Council

Following the hearing, the Council shall promptly deliberate in closed session out of the presence of the accused, the witnesses, and the PAL. The Honor Council shall determine by a simple majority vote based on the evidence presented in the hearing whether they believe the student violated the Standards of Professional and Ethical Behavior as charged, and if so what sanction, if any, is appropriate. Separate findings shall be made as to the conduct of the student and as to the sanction, if any, to be imposed. The Council shall promptly submit its findings and determination in writing to the accused student and to the PAL.

The findings and determination of the Honor Council shall serve as a decision for the School of Nursing.

VII. Appeal to the Dean

If the student so desires, he or she may appeal the decision of the Council to the Dean within 10 business days of the Honor Council decision. A copy of the Notice of Appeal shall be given by the student to the PAL. The student may file a written memorandum for consideration by the Dean with the Notice of Appeal, and the Dean may request a reply from the PAL. The Dean shall review the record of the case and the appeal documents, and may affirm, reverse, or remand the case for further proceedings before the Honor Council.

The Dean shall notify the accused of his or her decision in writing, by certified mail. Copies of the letter will be sent to the Honor Council Chair, the PAL, and will be included with the official hearing file.

VIII. Appeal to the Chancellor

The accused student may appeal from the Dean's decision to the Chancellor or designated representative by filing written notice of appeal with the Chancellor within ten (10) business days after notification of the decision of the Dean. A copy of the Notice of Appeal will also be given by the accused to the Dean of the School of Nursing and to the PAL at the time of filing. The accused student may file a written memorandum for consideration by the Chancellor with the Notice of Appeal.

The Chancellor or designated representative shall review the record of the case and the appeal documents and may affirm, reverse, or remand the case for further proceedings and shall notify the Dean and the accused student in writing of the decision on the appeal. The action of the Chancellor shall be final unless it be to remand the matter for further proceedings.

IX. Status during the Appeal

In cases of suspension, dismissal or expulsion where a Notice of Appeal is filed within the required time, the accused student may petition the Chancellor in writing for permission to attend classes pending final determination of appeal. The Chancellor may permit the accused student to continue in school under such conditions as may be designated pending completion of appellate procedures, provided such continuance will not disrupt the University or constitute a danger to the health, safety or welfare of the University Community. In such event, however, any final disciplinary action imposed shall be effective from the date of the action of the Honor Council.

X. Status of the Standards of Professional and Ethical Behavior

Amendments to the Standards of Professional and Ethical Behavior and/or Honor Council Procedures for Violations may be proposed by petition of any twenty-five members of the student body, or the Honor Council on its own motion, or the faculty.

A proposed amendment in the Standards of Professional and Ethical Behavior and/or Honor Council Procedures for Violations must be approved by a 2/3 majority vote of the Honor Council members present (all members have the right to vote on amendments = 9 votes), by a 2/3 majority vote of the faculty present, by the Chancellor, and by the Board of Curators.

The Standards of Professional and Ethical Behavior and/or Honor Council Procedures for Violations may be terminated at any time by action under the general amending procedure.

STANDARDS OF PROFESSIONAL AND ETHICAL BEHAVIOR University of Missouri – Kansas City School of Nursing

I. Preamble

One of the goals of a school of nursing is to educate student nurses during the transition to a professional life. The University of Missouri – Kansas City School of Nursing (UMKC-SON) has an obligation to society [1] to evaluate students pursuing the B.S.N., M.S.N., and Ph.D. degrees, as thoroughly as possible. This responsibility includes their cognitive abilities, their academic and professional knowledge and skills, their integrity, and their suitability to practice nursing in their desired professional role. Accordingly, the Standards of Professional and Ethical Behavior detailed in this document have been developed to guide students who are enrolled at all levels with the UMKC-SON, including undergraduate and graduate students, and are designed to assure accountability for the professional and ethical standards of the nursing profession.

II. Integrity

A. Personal and Professional Integrity

1. Honesty

A student nurse shall deal honestly with people including, but not limited to, colleagues, instructors, representatives of the University, patients, attending physicians, nursing staff, any representative of our clinical agencies, and other members of the health care team. Student nurses are expected to demonstrate honesty and integrity in all aspects of their interaction with patients and staff – particularly in assuring accuracy and completeness in their actions and documentation. The student nurse shall be willing to admit errors and must not mislead others or promote himself or herself at the patient's expense. The student nurse shall strive to report, by utilizing the Honor Council Procedures for Violations of the Standards of Professional and Ethical Behavior, those student nurses deficient in character or competence, or who engage in fraud, deception, and/or dishonesty.

A basic principal underlying all research is honesty. Scientists and student nurses who participate in research have a responsibility to provide research results of the highest quality; to gather facts meticulously, to keep impeccable records of work done; to interpret results realistically, not forcing them into preconceived molds or models; and to report new knowledge through appropriate channels. Co-authors of research reports must be sufficiently acquainted with the work of their co-workers that they can personally vouch for the integrity of the study and validity of the findings, and must have been active in the research itself.

Examples of academic dishonesty include, but are not limited to, the following:

a. Cheating

- Use of any unauthorized assistance in taking quizzes, tests, or examinations;
- Dependence upon the aid of unauthorized sources in writing papers, preparing reports, solving problems, or carrying out assignments;
- Acquisition or possession without permission of tests or other academic material belonging to a member of the University faculty or staff;
- Use of assignments or papers prepared in one class for another class without disclosing such information to the faculty
- In any way giving assistance to others who are participating in any of the three preceding types of behavior; or
- Falsifying attendance records or other official documents.

b. Plagiarism

- Use by paraphrase or direct quotation of the published or unpublished work of another person without fully and properly crediting the author with footnotes, citations or bibliographical reference;
- Unacknowledged use of materials prepared by another person or agency engaged in the selling of term papers or other academic materials; or
- Unacknowledged use of original work/material that has been produced through collaboration with others without release in writing from collaborators.

c. Sabotage

- Unauthorized interference with, modification of, or destruction of the work or intellectual property of another member of the University.

d. Falsification of Patient's Medical Record or Information

Examples of dishonesty related to clinical practice include, but are not limited to, the following:

- Writing progress notes or other documentation regarding the patient's status, including, but not limited to, clinical observations, medication administration or results in the patient's chart when the student nurse has not seen or evaluated the patient, or using incorrect times of data entry.
- Reporting medical information such as physical examination findings, lab values, test results, medications, or any other relevant patient information to other students, nurses, nursing supervisors, residents, attending physicians, the patient, the patient's family or other relevant health care personnel that has been fabricated by the student nurse.

2. Responsibility

A student nurse must acquire competencies with the appropriate concepts, knowledge and skills that the faculty determine essential. These competencies shall be utilized to

care for the sick and to promote the health and welfare of society [2] . A student nurse shall recognize a responsibility to participate in activities contributing to an improved community.

Student nurses in the care of patients must not be harmful, dangerous, or negligent to the mental or physical health of a patient or the public. Negligent means failure to exercise that degree of skill and learning ordinarily used under the same or similar circumstances by other student nurses.

Students must be familiar with and follow the rules and regulations of the School of Nursing, the University, and professional organizations which they are required to follow as nursing students. Copies of such rules and regulations are attached herewith.

B. Professional Nursing Behavior

1. Nondiscrimination

A nursing student shall provide care to patients without discriminating based on race, color, creed, sex, age, national origin, disability or Vietnam Era Veterans status.

It is against the University regulations to discriminate on the basis of race, color, creed, sex, age, national origin, disability, or Vietnam Era Veterans status. The University has an AIDS policy statement consistent with state law that prohibits discrimination against persons with AIDS or who are HIV positive.

2. Confidentiality

A student nurse shall respect the rights of patients, colleagues, affiliated institutions, and other health professionals, and shall safeguard patient confidences within the constraints of law. The patient's right to confidentiality in regard to his or her medical record, which includes confidentiality of personal and social history, is a fundamental tenet to health care.

The discussion in public of the problems of an identified patient, without the patient's permission, by professional staff (including other students) violates patient confidentiality and is unethical. Under no circumstances can any medical record be removed from any institution. Photocopying of the entire record is never permitted for presentations, rounds, or conferences; if permitted by the health care institution or provider students are permitted to extract information, but not copy 'wholesale' parts of the chart. Names of the patients should be omitted from any documents used for these presentations.

3. Disclosure

While the student nurse is a member of the patient care team and under direct or indirect faculty supervision, a student nurse shall continue to study, apply and advance scientific knowledge, make relevant information available to patients, colleagues, and the public, obtain consultation and use the talents of other health professionals when indicated.

Sharing of medical information appropriately with a patient and colleagues involved in the care of the patient is a fundamental ethical requirement. The patient must be well informed to make health care decisions and work intelligently in partnership with the patient care team. Information that the patient needs for decision-making shall be presented in terms that patient can understand. If, for some reason, the patient is unable to comprehend, there shall be disclosure to the patient's authorized representative.

Failure of a student nurse to share medical information relevant to a patient with a patient and colleagues involved in the care of the patient is unethical. Providing inaccurate information with these individuals is also unacceptable.

4. Misconduct with Patients

The student nurse will not engage in nonprofessional behaviors with a patient – even upon the apparent request of a patient – while the student nurse is involved with the patient's care.

5. Representation

A student nurse shall accurately represent himself or herself to others including, but not limited to, colleagues, instructors, representatives of the University and their affiliates, partner institutions, patients, nurses, and other members of the health care team.

Examples of misrepresentation include, but are not limited to the following:

· Misrepresentation of the student's position, knowledge, and authority, including use of the title "nurse" by an undergraduate student nurse, or by use of the titles advanced practice nurse (APRN), nurse practitioner (NP), clinical nurse specialist (CNS), nurse midwife (NM), or nurse anesthetist (CRNA) by a graduate student.

· Use of fraud, deception, lies, or bribery in securing any certificate or registration or authority, diploma, permit or license issued, or in obtaining permission to take any examinations.

· Impersonation of any person holding a certificate of registration or authority, permit, license or allowing any person to use his/her certificate of registration or authority, permit license, or diploma from any school.

· Forgery, alteration, or misuse of a patient's medical records or knowingly furnishing false information to the other members of the health care profession and/or professional organizations.

6. Assessment of Personal Competence (Self-Evaluation)

Student nurses shall seek consultation and supervision whenever their ability to play their role in the care for a patient is inadequate because of lack of knowledge or experience.

Students are expected to respond to constructive criticism by appropriate modification of behavior.

7. Professional Demeanor

The student nurse is a representative of UMKC, and should realize that their behavior may positively and negatively affect the judgments of others about UMKC-SON.

UMKC-SON students are expected to be thoughtful and professional when interacting with faculty, patients and their families, nurses, attending physicians, nursing preceptors, affiliated institutional staff, other students, and other members of the health care team.

Students shall maintain a neat and clean appearance, and dress in attire that is generally accepted as professional by the patient populations served.

Inappropriate behavior includes, but is not limited to, the use of offensive language, gestures, or remarks. Attempting, directly or indirectly, by way of intimidation, coercion or deception, to obtain or retain a patient or discourage the use of a second opinion or consultation is not appropriate.

8. Impairment

The student nurse will not use alcohol or drugs in ways that impair his/her ability to perform the work of the profession or results in compromised patient care. It is the

responsibility of every student nurse to strive to protect the public from an impaired colleague and to assist that colleague whose capability is impaired because of alcohol or drug use.

9. Conflict of Interest

If a conflict of interest arises, the moral principle is clear – the welfare of the patient must be, at all times, paramount. For example, gifts, hospitality, or subsidies offered by manufacturers and distributors of medical and or other equipment/goods shall not be accepted if acceptance would influence the objectivity of clinical judgment.

10. Criticism of Colleagues

Professional relations among all members of the medical community shall be marked by civility. Scholarly contributions shall be acknowledged and each person shall recognize and facilitate the contributions of others to this community; slanderous comments and acts are not acceptable. Student nurses shall deal with professional, staff, and peer members of the health team in a considerate manner and with a spirit of cooperation.

It is unethical and harmful for a student nurse to disparage, without sufficient evidence, the professional competence, knowledge, qualifications, or services of a colleague to anyone. It is also unethical to imply without reliable evidence – by word, gesture, or deed – that a patient has been poorly managed or mistreated by a colleague.

11. Teaching

It is incumbent upon those entering this profession to teach what they know of the science, art, and ethics of nursing care. It includes communicating clearly and teaching patients so that they are properly prepared to participate in their own care and in the maintenance of their health.

III. The University of Missouri Student Conduct Code

In addition to the conduct detailed in the preceding sections, a student nurse is subject to the University of Missouri Student Conduct Code, as administered by the Office of the Vice Chancellor for Student Affairs, except for provisions dealing with academic dishonesty, Section 200.01 0 B. 1.

Conduct for which students are subject to sanctions falls into the following categories:

A. Forgery, alteration, or misuse of University documents, records or identification, or knowingly furnishing false information to the University.

B. Obstruction or disruption of teaching, research, administration, conduct proceedings, or other University activities, including its public service functions on or off campus.

C. Physical abuse or conduct which threatens or endangers the health or safety of any person.

D. Attempted or actual theft of, damage to, or possession without permission of property of the University or of a member of the University community or of a campus visitor.

E. Unauthorized possession, duplication, or use of keys to any University facilities or unauthorized entry to or use of University facilities.

F. Violations of University policies, rules or regulations or of campus regulations including, but not limited to, those governing residence in University-provided housing, or the use of University facilities, or the time, place and manner of public expression.

G. Manufacture, use, possession, sale or distribution of alcoholic beverages or any controlled substance with out proper prescription or required license or as expressly permitted by law or University regulations.

H. Disruptive or disorderly conduct or lewd, indecent, or obscene conduct or expression.

I. Failure to comply with direction of University officials acting in the performance of their duties.

J. Illegal or unauthorized possession of firearms, explosives, other weapons, or dangerous chemicals.

K. Actual or attempted theft or other abuse of computer time, including but not limited to:

· Unauthorized entry into a file to use, read, or change the contents, or for any other purpose;

· Unauthorized transfer of a file;

· Unauthorized use of another individual's identification and password;

· Use of computing facilities to interfere with the work of another student, faculty member, or University official;

· Knowingly causing a computer virus to become installed in a computer system or file.

Details of the policies, procedures, sanctions, and due process for violations of the University of Missouri Student Conduct Code are found in the University of Missouri – Kansas City General Catalogue and the student handbook.

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[1] ANA (2003). Nursing's Social Policy Statement.

[2] ANA (2003). Nursing's Social Policy Statement.

School of Law Honor Codes

I. Preamble

We, the students at the University of Missouri - Kansas City School of Law, recognizing that the recorded evaluation of our academic pursuits must reflect the products of intelligence guided by integrity, do hereby establish this Honor Code so that all who may inquire can be assured that our individual accomplishments were honestly achieved; and so all who achieve may welcome inquiry. Wherefore we pledge ourselves, each and all, to careers founded in integrity and to the enforcement of the standards herein defined. Each student shall have the affirmative duty of assisting in the implementation of this Code.

II. Definitions

1 Academic Matter:
All examinations, writing assignments, and programs or activities (such as Moot Court, Law Review or Urban Lawyer) which in any manner affect or result in a Law School grade or satisfaction of a requirement for graduation.

2 Accused:
Student who is the subject of a hearing on an Honor Code violation.

3 Class:
Group of students, based on year in Law School and academic progress. For the purposes of this code, those who are in their post third-year or are working on advanced degrees, shall be deemed third-year students.

4 Gender:
Any use of grammatical gender reference shall be interpreted as applying equally to males and females.

5 Matter Relating to Academic Credentials:
Any representation made to any person concerning academic achievements or performance in Law School sponsored programs affecting a requirement for graduation.

6 SBA President:
President of the Student Bar Association.

7 Student:
A student (as defined in 200.020.B.8. of the University's Collected Rules and Regulations) at the University of Missouri-Kansas City School of Law.

8 Unauthorized Sources:
All written material and persons except as otherwise authorized by the instructor.

III. Violations

1 Jurisdiction:

Any conduct by a student that tends to gain or give an unfair advantage for any student in any academic matter or in any matter relating to academic credentials is considered unethical and a violation of the Code. It shall not be necessary for the Prosecutor to prove that any advantage was, in fact, achieved. Any conduct by a student impeding the fair operation of this Code is also a violation of this Code

2 Specific Violations:

Prohibitions of the Code include, but are not limited to, the following:

- During an examination, no student shall have, consult, give to another, receive from another, or solicit from another any information or material unless specifically authorized by the instructor.
- No student shall knowingly convey, directly or indirectly, to another student any information about the contents of an examination that the other student has yet to take.
- No student, with the intent to improve his or her grade, shall convey to
- an instructor any information that tends to identify his or her authorship of an examination yet to be graded.
- No student shall work on his or her examination other than during the time prescribed, nor in a room other than one designated for the taking of the examination.
- For any assignment that counts toward a grade or is required for graduation, no student shall consult unauthorized sources of information.
- No student shall remove or withhold library material from the library, or secrete such material in the library, or destroy or mutilate such material, or use such material in a manner calculated to gain an unfair advantage for either him or herself or another student in connection with any academic matter.
- No student shall make any false representation on a resume, transcript or other written material relating to his or her Law School credentials. Nor may any student falsely represent his or her Law School credentials in any other way to a potential employer or academic institution.
- No student shall plagiarize. Violation of the plagiarism policy adopted by the faculty of the Law School on October II, 1990 is a violation of the Code. A statement of the offense and definition of plagiarism is incorporated in this Code by reference and linked to this Code at the following Web address: http://www1.law.umkc.edu /academic/plagiarism.htm
- No student other than the accused shall fail to report a suspected violation of this Code or fail to give information about such violation, testify, or attend hearings authorized by the Code, except for good cause shown.
- No student witness shall fail to appear at a hearing held under the Code, unless good cause exists.
- No student shall improperly induce a person not to comply with this Code.
- No student shall fail to use best efforts in the performance of his or her duty under this Code.

3 Mens Rea:

Unless otherwise specifically stated in this Code, a student is not guilty of a violation unless he or she acted knowingly or recklessly with respect to each material element of the violation.

4 Specific Exclusions:

The Code does not cover:

- Infractions of rules limiting smoking, soft drinks and coffee, etc., to certain designated examination rooms.
- Disciplinary matters not related to academic credentials or academic matters. The University of Missouri Standards of Conduct details these matters not covered by this Honor Code.

IV. Honor Court and Prosecutor

.01 Honor Court. There shall be a body known as the Honor Court composed of a Chief Justice and four Associate Justices. The Chief Justice shall be selected by a majority vote of the entire Court to serve at the pleasure of the Court.

The Honor Court shall hear all cases involving alleged violations of this Code by students, excepting those cases disposed of informally per 6.03. The proper Court to hear a charge shall be the Court sitting at the time of the hearing rather than at the time of the violation. The Court shall also make advisory opinions.

Four (4) Justices shall constitute a quorum. Each of the justices shall have one (1) vote. The Chief Justice shall be entitled to vote on all matters before the Court.

The Chief Justice, or his or her designee, shall inform new students of this Code during orientation. A copy of the Code shall be published in each edition of the Law School Student Handbook and available in the law building in the Dean's office.

.02 Student Prosecutor. There shall be a Student Prosecutor and an Assistant Student Prosecutor. The Prosecutor shall conduct investigations and present the case against the accused. The Student Prosecutor shall not make plea agreements at any time.

V. Appointments and Qualifications

.01 General. The Justices of the court shall be two third-year students, two second-year students and one first-year student. There shall be alternate justices in the same number and composition.

The Student Prosecutor shall be a third-year student. The Assistant Student Prosecutor shall be a second-year student.

.02 Appointment and Term of Office:

a) Justices. One first-year justice, one first-year alternate justice, one second-year justice, and one second-year alternate justice will be selected by the SBA President on the basis of applications submitted to him or her. The selection will be made at the first SBA meeting of the fall semester that includes the first-year representatives.

Justices will serve three one-year terms unless they re- sign, graduate, are removed for cause or become other- wise ineligible. Justices who graduate may serve until the first-year justices are appointed.

Justices seated at the time this Code becomes effective are deemed to have been appointed in accordance with this section.

b) Prosecutor. The student prosecutor shall be the person who was the assistant student prosecutor during the previous academic year, provided, however, that if that person is no longer eligible, the SBA President shall select a student prosecutor. The selection of the assistant student prosecutor shall be made by the SBA President before the end of winter semester classes. Selections shall be made on the basis of the designee's class for the following year.

The Prosecutor's term of office shall begin on the first day of the summer session, provided, however, that cases arising before or during the winter semester final examination period shall be conducted by winter semester office-holders.

.03 Forfeiture of Office for Cause. A student is ineligible to continue as a Justice, Prosecutor or an alternate if he or she is placed on academic or disciplinary probation, or if for any other reason his or her continuation in office may not be in the best interest of the School of Law as determined by the Board of Governors.

.04 Disqualified from Duty. Justices or Prosecutors shall disqualify themselves from performing their duties when they feel that they cannot impartially perform those duties. The accused can raise or suggest grounds for such disqualification of a justice. The failure of Justices to disqualify themselves may be raised on appeal as a possible abuse of discretion.

Disqualification of a Justice or Prosecutor creates a temporary vacancy and shall be filled pursuant to 5.05(b).

.05 Vacancies.

a) Permanent Vacancies. If by graduation, or for any other reason, a permanent vacancy occurs during a normal term of office, such vacancy shall be filled in a manner consistent with 5.01. If for any reason a vacancy is not filled when needed, it may be treated as a temporary vacancy and filled as prescribed. 5.05(b).

b) Temporary Vacancies. Vacancies that are created when a student is unavailable, disqualifies him or herself or the Court sustains a challenge for cause, shall be filled by the SBA President who shall ask the alternate from the same class to serve. If the alternate is not available, the SBA President shall select another member of the class who is not ineligible to serve.

IV. Violation and Investigation Reports

.01 Reports Made. Any person may report a suspected violation of the Honor Code. Reports may be made to either the SBA President or to the Associate Dean.

If reported to the SBA President, the SBA President shall notify the Associate Dean of the report of a suspected violation as soon as possible.

.02 When Made. Reports of suspected Honor Code violations must be made within 45 days of the discovery of the suspected violation.

.03 Informal Disposition or Submission of Case to Student Prosecutor. The Associate Dean shall have the authority to investigate the reported suspected violation of the Honor Code before initiating formal disciplinary procedures and give the student the opportunity to present his/her personal version of the incident or occurrence. After doing so, the Associate Dean may, for good cause shown, informally dispose of the case, and, after explaining to the student the various options available, shall fix a reasonable time within which the student suspected to have violated the Honor Code shall accept or reject a proposed informal disposition. If no informal disposition is deemed appropriate by the Associate Dean or the student rejects a proposed informal disposition, the Associate Dean shall notify the student prosecutor of the report of a suspected violation of the Honor Code. Should the Prosecutor disqualify him or herself pursuant to 5.04, the SBA President shall fill the temporary vacancy pursuant to 5.05(b). Any statements made by the student suspected of violating the Honor Code to the Associate Dean in the course of the informal disposition process shall not be communicated to the student prosecutor or be admissible against the student in subsequent Honor Court proceedings.

.04 Investigation by the Prosecutor. Upon notification by the Associate Dean of the report of a suspected violation of the Honor Code, the Prosecutor shall conduct an investigation.

Any student called upon to supply information relevant to the investigation, other than the accused, shall comply as fully as possible.

At the completion of the investigation, if the Prosecutor feels the evidence is insufficient to justify prosecution.

The Prosecutor shall so notify the SBA President and the Associate Dean, and with their concurrence the case may be dropped.

If the Prosecutor determines that probable cause exists to prosecute a person for a violation of the Honor Code, he or she shall send notice of this finding to the Associate Dean of the Law School.

.05 Submission of Case to Grand Jury.

a) Upon notice that the Prosecutor has determined that probable cause exists to prosecute a person for a violation of the Honor Code, the Associate Dean shall con- convene a grand jury hearing.

b) The Associate Dean shall select six names at random from the Law School student body. The Associate Dean shall summon the people selected to attend a meeting with himself and the SBA President. At this meeting the Associate Dean shall inform the students selected that the first three qualified students selected will be required to serve on a grand jury to determine whether or not probable cause exists to believe the Honor Code has been violated. The Associate Dean may excuse any grand juror for cause and replace that grand juror with an alternate. The Associate Dean shall inform the grand jury of their membership on the grand jury and all grand jury proceedings are confidential. The SBA President and the grand jurors shall select a date, time and place for the grand jury proceeding, providing that the selection of such a date will not unreasonably delay the Honor Court proceedings. The SBA President shall inform the Chief Justice and the Prosecutor of the date of the hearing.

c) The Prosecutor shall have the duty of providing the Chief Justice with a copy of the items of evidence that form the basis for his or her determination that probable cause exists to prosecute for a violation of this Honor Code. The copies provided by the Prosecutor to the Chief Justice shall have all identifying characteristics removed except as necessary to establish probable cause that a violation of this Code has been committed. The Prosecutor shall place a copy of these items of evidence and a summary of why he or she believes probable cause exists in a signed and sealed envelope. The envelope of evidence shall be delivered to the Chief Justice before the grand jury proceeding. If the suspected violation is plagiarism, the Prosecutor shall provide the Chief Justice with the original sources that the grand jury needs to adequately evaluate the evidence provided in the packet. The Chief Justice shall make arrangements to provide the grand jury with the source material. This packet shall also contain a form for the grand jury to report its findings.

The investigative power of the grand jury is strictly limited to the evidence presented by the Prosecutor. The grand jury shall not independently investigate the matter. The grand jury may submit written questions to the prosecutor through the Chief Justice.

d) The Chief Justice of the Honor Court will initiate the grand jury proceeding by informing the grand jury that the grand jury proceedings are to be confidential. The Chief Justice should elicit from the grand jurors signed statements that the grand jurors understand fully the duty of confidentiality. The Chief Justice shall advise the students that the information presented to the grand jury will be known only to the student prosecutor and them- selves and that a breach of confidentiality may be an Honor Code violation.

e) After the Chief Justice has fulfilled the obligations imposed by section (d), he or she should give the grand jury the sealed envelope provided by the Prosecutor containing the evidence and remove him or herself from the grand jury proceedings.

f) After the Chief Justice has left the grand jury room, the grand jury will break the seal on the evidence envelope and examine the contents. The grand jury shall examine the evidence and determine whether probable cause exists for finding a violation of this Code. A decision shall be made within a reasonable period of time, not to exceed ten (10) days.

g) The finding of probable cause or the lack of probable cause will be determined by a majority vote of the grand jurors. This vote is binding on all members of the grand jury.

h) After the grand jury has reached a decision. it shall record that decision on the form provided for such purpose in the envelope described in 6.04(c) and sign it. The evidence shall be returned to the envelope provided by the Prosecutor, sealed, and signed. The envelope shall be delivered to the Chief Justice in a place and manner prescribed by the Chief Justice.

i) The Chief Justice shall deliver the envelope with the grand jury finding to the Associate Dean. The Associate Dean shall break the seal on the envelope in the presence of the Prosecutor who shall verify that the envelope contains all the items of evidence the Prosecutor originally placed in the envelope.

j) The Associate Dean shall reveal the finding of the grand jury only in furtherance of the procedures of this Honor Code and then only to the necessary parties.

.06 Hearing Date and Notice. A hearing shall be held as soon as possible after the grand jury has determined that there is probable cause to believe the accused has violated the Honor Code. In no case shall more than 45 days elapse between the suspected violation report and the hearing, unless a later date is agreed upon by the Prosecutor and the student charged.

The student shall be notified of a hearing in writing by the Chief Justice. The notice shall set forth the date, time and place of the alleged violation, the conduct to be inquired into, and the date, time, and place of hearing before the Honor Court. The notice shall be given at least seven (7) days in advance of the scheduled date of the hearing, unless a shorter time be fixed for good cause.

VII. Hearing Procedure

.01 Confidentiality. Honor Court hearings shall be closed to the public unless the accused requests a public hearing, in which case one shall be provided. An audio recording shall be made of the proceeding and shall become part of the record.

.02 Ex Parte Communication. Except as to procedural matters, there shall be no ex parte communication with any Justice by the Prosecutor, by defense counsel or by the accused.

.03 Pre-Trial Motions. All pre-trial motions, including motions in limine, shall be in writing and given to the Chief Justice at least four days prior to the hearing. The Court may set a time limit on hearing pre-trial motions. The Court shall hear pre-trial motions no later than the day before the trial.

.04 Evidence. A student defendant or prosecutor appearing before the Honor Court shall have the right to present any evidence by witness or affidavit relating to any charge or defense. The formal rules of evidence shall not apply and the Court may consider relevant testimony of witnesses, affidavits, written reports, and any other relevant evidence.

.05 Witnesses. At least two (2) days in advance of the scheduled date of the hearing, witnesses shall be notified by the party calling them of their obligation to appear. Witnesses shall bring with them whatever documentation is requested. Failure of a student witness to appear, without good cause, is a violation of this Code.

The Prosecutor may not call the defendant as a witness. The defendant may elect to testify or not, as he or she chooses. No unfavorable inference may be drawn should the defendant choose not to testify.

.06 The Court. The Chief Justice shall preside at the hearing. The Prosecutor shall present the case against the accused. The accused may represent him or herself or may be represented by an adviser or legal counsel.

.07 The Hearing. The Prosecutor shall make an opening statement and present the evidence against the accused. The Accused or his or her representative may elect to make an opening statement either at the conclusion of the Prosecutor's opening or after the Prosecution's evidence has been presented. At the conclusion of the Prosecution's case-in-chief, the accused may present his or her evidence.

Each party shall have the right to cross-examine the opposing party's witnesses. Either party may present further rebuttal evidence when, in the discretion of the Chief Justice such evidence is relevant and will not unduly delay the proceedings. After all evidence has been presented, the Prosecutor may make a closing argument, if so elected, the Prosecutor may present a rebuttal.

.08 Court's Decision. The Court shall promptly deliberate and make its findings and determinations in executive session. If seventy-five percent (75%) of the members of the court find by clear and convincing evidence that the accused has committed the violations charged, it shall recommend to the Dean one or more of the sanctions prescribed in 8.02, subject to the mitigating circumstances exception in 8.03.

If at all possible, the Court shall render a decision immediately following its deliberations. In no event shall its decision be announced later than three (3) days following the conclusion of the hearing. An oral presentation of the Court's findings and recommendations is permitted following the hearing, but a written report including findings of facts, conclusions and recommended disposition shall be filed within one week after conclusion of the hearing. Concurring or dissenting opinions may be filed according to the same terms.

The report of the Court, including any concurring or dissenting opinions, and the entire record of the proceedings shall be submitted to the Dean and the accused as soon as possible after issuance.

.09 Procedural Questions. Procedural questions arising during the course of proceedings that are not covered by these rules shall be resolved by the Chief Justice. All objections concerning procedure shall be made/raised in writing to the Chief Justice. The Chief Justice shall answer all objections in writing and forward both the objection and the decision to both the Prosecutor and defense counsel and to all other justices sitting on the Court for that hearing.

The decision of the Chief Justice on a procedural question may be challenged by the accused, the prosecutor, or a sitting member of the Court. The Chief Justice shall present any challenge to the sitting Court and the ruling of the majority of the Court shall be final. There shall be a form, prepared by the Chief Justice, for appealing a procedural decision. The party challenging the decision shall complete the form and forward a copy to all sitting justices. All such challenges must be made on a timely basis.

.10 Review of Record by Dean. Upon receipt of the Court's report, the Dean will, within a reasonable amount of time, review the entire record, including the Court's findings of facts, conclusions and recommendations and render a decision in the case.

The Dean may remand for further consideration of specific issues. A decision by the Dean to remand shall include a list of questions for the Court. The Court shall then respond in writing within fourteen (14) calendar days. The Dean may not reverse a finding of not guilty by the Court.

The Dean's decision shall be transmitted in writing to the accused and to the Chief Justice of the Honor Court. Where the accused has been found guilty by the Court, a copy of the Dean's decision will be placed in the student's official file.

VIII. SANCTIONS

.01 Report of Misconduct. Where a finding that the accused has violated the Code has been made, the misconduct may be called to the attention of the proper University authorities, Bar authorities or any other affected parties for appropriate action.

.02 Sanctions. The following sanctions may be recommended by the Court to the Dean and imposed by the Dean:

a) Expulsion. Permanent separation of the student from the School of Law.

b) Dismissal. An involuntary separation of the student from the School of Law. It does not imply or state a minimum separation time.

c) Suspension. Separation of the student from the School of Law for a definite period of time, after which the student is eligible to return. Conditions for readmission may be specified.

d) Probation. Disciplinary probation, subject to any appropriate terms or conditions.

e) Reprimand. Written or oral reprimand.

.03 Mitigating Circumstances. When considering a recommended sanction upon finding that a violation has occurred, the Court may consider mitigating circumstances such as, but not limited to, any physical, mental, financial, or emotional problems of the accused. If the severity of mitigating circumstances requires, the Court may recommend no sanction be levied on the accused, even though a violation has occurred.

If the Court considers mitigating circumstances when recommending a sanction, the written report of the Court shall include a full explanation thereof.

IX. APPEALS

.01 Right to Petition for Review (other than dismissal or suspension). In all cases where the discipline imposed by the Dean is other than dismissal or suspension, the accused may petition the Chancellor in writing for a review of the decision within ten (10) consecutive calendar days after notification. A copy of the Petition for Review must also be served upon the Dean within such time. The Petition for Review shall state the grounds or reasons for review, and the Dean may answer the petition within ten (10) consecutive calendar days if he or she so desires.

The Chancellor or his or her designated representative may grant or refuse the right of review. In all cases where the Petition for Review is refused, the decision shall be final. If the Chancellor or representative reviews the decision, the action of the Chancellor shall be final unless it be to remand the matter for further proceedings.

.02 Right of Appeal (dismissal or suspension only). When a student is dismissed or suspended from the University for an Honor Code violation by the Dean, the student may appeal such decision to the Chancellor within twenty (20) consecutive days after notification of the decision of the Dean. A copy of the notice of appeal will contemporaneously be given by the student to the Dean. The student may file a written memorandum for consideration by the Chancellor with the notice of appeal, and the Chancellor may request a reply to such memorandum by the appropriate party. The Chancellor or his/her designee shall review the full record of the case and the appeal documents and may affirm, reverse, or remand the case for further proceedings and shall notify the Dean and the student in writing of the decision on the appeal. The action of the Chancellor shall be final unless it be to remand the matter for further proceedings.

.03 Status During Appeal. In the cases of suspension or dismissal where a notice of appeal is filed within the required time, a student may petition the Chancellor in writing for permission to attend classes pending final determination of appeal. The Chancellor may permit a student to continue in school under such conditions as may be designated pending completion of appellate procedures, provided such continuance will not seriously disrupt the University or constitute a danger to the health, safety or welfare of the University community. In such event, however, any final disciplinary action imposed shall be effective from the date of the action of the Dean.

X. ADVISORY OPINIONS

.01 When required to do so, the Court may render advisory opinions on matters relating to the application of the Code.

.02 A box shall be located in a public area of the Law School for the purpose of receiving written requests by students of the Law School for advisory opinions.

.03 The Honor Court shall submit its advisory opinion, in writing, to the Dean and the SBA President.

.04 The Dean, within a reasonable time, shall respond to the advisory opinion.

.05 The advisory opinion and the Dean's response shall be appropriately posted and made available to the students in the library.

.06 Conduct consistent with an advisory opinion shall be presumed not to be in violation of the Code.

XI. AMENDMENTS

.01 Amendments to the Honor Code may be proposed by petition of any ten (10) students, by the Board of Governors of the Student Bar Association on its own motion, or by petition of a majority of the Honor Court.

.02 A proposed amendment shall be adopted if at the adoption election at least two-thirds (2/3) of the students voting shall vote favoring the proposed amendment.

XII. ADOPTION

This Honor Code shall be in effect when approved by a two-thirds vote of the students voting, by the Dean of the School of Law, the Chancellor, and by the Board of Curators.

SCHOOL HONOR CODES

School of Dentistry

School of Law

School of Medicine

School of Nursing

School of Pharmacy

University of Missouri System Information

UM SYSTEM INFORMATION

Campus locations: Kansas City, Columbia, Rolla, St. Louis

Total enrollment (fall 2006): 63,783; 75 percent undergraduates, 25 percent graduate and first professional students

Web site: http://www.umsystem.edu

Total degrees granted: 12,323 in fiscal year 2006

Total faculty (fall 2006): 7,478; 67 percent full time, 33 percent part time

Total staff (fall 2006): 16,457; 74 percent full time, 26 percent part time

Student financial aid: $587,705,678 in grants, loans, work programs, scholarships, fellowships and other aid awarded to 51,341 students in fiscal year 2006

Land holdings: 19,517 acres

CAMPUS INFORMATION

Inquiries regarding admission to the other three campuses of the University of Missouri should be directed to the following addresses. Phone numbers are also listed.

UNIVERSITY OF MISSOURI-COLUMBIA

Director of Admissions
230 Jesse Hall
Columbia, MO 65211
800-225-6075
mu4u@missouri.edu
http://prospectivestudents.missouri.edu

Academic Units

College of Agriculture, Food and Natural Resources
College of Arts and Sciences
College of Business
College of Education
College of Engineering
College of Human Environmental Sciences
College of Veterinary Medicine
School of Accountancy
School of Fine Arts

School of Health Professions
School of Information Science and Learning Technologies
School of Journalism
School of Law
School of Medicine
School of Music
School of Natural Resources
School of Nursing
School of Public Affairs
School of Social Work
Graduate School
Honors College
Extension Division

University of Missouri-Rolla

Director of Admissions
University of Missouri-Rolla
106 Parker Hall
Rolla, MO 65409
800-522-0938
umrolla@umr.edu
http://admissions.umr.edu

Academic Units

College of Arts and Sciences
School of Engineering
School of Management and Information Systems
School of Mines and Metallurgy
Office of Continuing Education

University of Missouri-St. Louis

Director of Admissions
University of Missouri-St. Louis
351 Millennium Student Center
St. Louis, MO 63121
314-516-5451
admissions@umsl.edu
http://www.umsl.edu/admission

Academic Units

College of Arts and Sciences
School of Nursing and Health Studies
College of Business Administration
College of Education
College of Fine Arts and Communication
College of Optometry
Evening College
Continuing Education Outreach
Graduate School
Honors College
St. Louis/Washington University
Joint Undergraduate Engineering Program
Continuing Education and Outreach

University of Missouri Extension

http://extension.missouri.edu

Every year, more than 1 million Missourians turn to University of Missouri Extension to help them address complex change, solve problems and make informed decisions. They benefit from one-on-one assistance, seminars, online courses and research-based publications. They further their formal education through degrees and continuing education.

An integral part of the University's land-grant mission, University of Missouri Extension is a joint venture of the UM campuses, Lincoln University, the people of Missouri through county extension councils, the U.S. Department of Agriculture, and other stakeholders and partners. People throughout Missouri have access to University experts through county extension centers and through the Web: extension.missouri.edu

Using science-based knowledge, University of Missouri Extension focuses University

resources on high-priority needs at the local level. Educational programs address agriculture and natural resources; business and workforce development; community development; 4-H youth development; and human environmental sciences, including health and nutrition.

The statewide TeleCenter Network, administered by University of Missouri Extension, links University faculty and staff with local learners using interactive video and other distance technologies to deliver credit and non-credit education to citizens at times and places convenient for them.

Finding Your Way Around UMKC

FINDING YOUR WAY AROUND UMKC

There is a driving map at http://www.umkc.edu/maps
and a campus map at http://www.umkc.edu/pdf/maps/locator.pdf

Courses

COURSES

- Accordion
- Accounting
- Anthropology
- Art and Art History
- Arts and Sciences
- Bassoon
- Biology
- Business Administration
- Business Decision Sciences
- Business Information Systems
- Business Management and Administration
- Cello
- Chemistry
- Civil Engineering
- Clarinet
- Communication Studies
- Computer Science
- Conservatory of Music
- Counseling Psychology and Counselor Education
- Criminal Justice and Criminology
- Decision Science and Operations Management (DSOM)
- Curriculum and Instruction
- Dental Hygiene
- Dentistry
- Dentistry - Biological Sciences
- Economics
- Education
- Electrical and Computer Engineering
- Endodontics
- English
- Entrepreneurship
- Euphonium
- Finance
- Flute
- Foreign Language
- French
- General Practice
- Geography
- Geology
- Graduate Studies
- Guitar
- Harp
- Harpsichord
- Health Administration
- History
- Horn
- Law
- Life Sciences - Cell Biology and Biophysics
- Life Sciences - Molecular Biology and Biochemistry
- Life Sciences
- Management
- Management Information Systems
- Marketing
- Mathematics
- Mechanical Engineering
- Nursing
- Oboe
- Oral Biology

- Oral Radiology
- Oral Surgery
- Organ
- Orthodontics
- Pediatric Dentistry
- Pedodontics
- Percussion
- Periodontics
- Pharmacy
- Philosophy
- Physics
- Piano
- Political Science
- Psychology
- Public Administration
- Religious Studies
- Research Methodology - Dentistry
- Research and Psychology
- Saxophone
- Social Science
- Social Work
- Sociology
- Spanish
- Special Education
- Statistics
- String Bass
- Theatre
- Trombone
- Trumpet
- Tuba
- Urban Leadership
- Urban Planning and Design
- Viola
- Violin
- Voice

College of Arts & Sciences

College of Arts & Sciences Courses Anthropology

ANTHRO 5530 **Anthropology Of Gender**

This class explores theories of the social construction of gender in cross-cultural contexts. It will also explore global issues of diversity, local and international politics, the economy and work, education, etc.

3 hrs

ANTHRO 5531 **Feminist Theories**

This class introduces the major feminist theories and their primary authors over the last 200 years. The class takes both an historical (we begin with two millennia of male-centered theories about women) and a conceptual approach (theories are grouped by common ground) and familiarizes the student with both the historical processes that necessitate feminist theories as well as with the breadth of the historically and currently available scholarship. Graduate students are expected to fulfill all undergraduate requirements at graduate-level quality, including independent research components; in addition, graduate students are required to be prepared to lead class discussions. Prerequisites: Introduction to Women's Studies Offered: Every Winter

3 hrs

ANTHRO 5558 **Cultures Of The African Diaspora**

The course will explore the cultures of African people and their descendents who settled in Europe, the Caribbean or the Americas due primarily to the impact of the Trans-Atlantic trade in human beings. The focus will be comparative, with emphasis on cultural adaptation, kinship systems, music and religion

3 hrs

ANTHRO 5573 **Latin American Immigrants and Refugees in the U.S.**

This course is the study of history, culture and societies of immigrants and US citizens of Latin American heritage living in the U.S.

3 hrs

ANTHRO 5580 **Special Studies In Anthropology**

An opportunity to explore in depth topics not included in usual course offerings. One or more topics will be announced in advance of registration.

1-3 hrs

Art and Art History Arts and Sciences

A&S 5500 **Interdisciplinary Colloquium On Aging**

This course will introduce students to gerontology as a field of study and as a profession. The context for the emergence of the field is set in important demographic transitions of the 20th century. Identification and understanding of major issues and controversies in the field will help locate the contributions of a range of disciplines to aging studies. The connection of these issues with the development of social policies will be discussed.

3 hrs

A&S 5500 A **Interdisciplinary Colloquium On Aging I**

1-2 hrs

A&S 5500 B **Interdisciplinary Colloquium On Aging II**

1-2 hrs

A&S 5500 C **Interdisciplinary Colloquium On Aging III**

1-2 hrs

A&S 5500 L **Special Readings Topics/Philosophy**

1-3 hrs

A&S 5500 P **Special Topics-Readings Psychology**

1-3 hrs

A&S 5500 Q **Special Readings/Topics Theatre**

1-3 hrs

A&S 5501 **Special Readings/Topics**

This is a designated Arts and Sciences course which gives all departments in the College the flexibility to offer, on demand and as the need arises, a graduate-level readings course in a particular area of specialization in any discipline in the College. The individual departments determine the content of the course in any given semester in the same manner as any reading course, special topics, or independent study is presently handled. The departments are responsible for approving individuals or groups for the course and determine whether or not the course will be included as a part of a post-baccalaureate degree in their disciplines.

1-3 hrs

A&S 5501 E **Special Readings/Topics**

1-3 hrs

A&S 5502 **Introduction To African American Studies**

This course provides an introduction to the contexts, theories, and methodologies that undergird African American studies. In addition to substantial time spent covering particular research skills and resources, students will also be introduced to African American culture and the issues related to African studies from several perspectives: history, literature, sociology, communication studies, and the like. Influences and perspectives from Africa, the Caribbean, and South America will also be covered. The course will thus provide a broad background in African American culture and history, an introduction to the methodologies of several disciplines, and discussion of particular contemporary and historical issues such as slavery, segregation and integration, the Civil Rights Movement, Pan-Africanism, Afrocentrism, and current political debates.

3 hrs

A&S 5505 **Career Education And Transition In Special Education**

This course is designed to increase awareness and knowledge about current disabilities legislation, vocational education, vocational rehabilitation, quality transition programs, school to work, self advocacy, workplace accommodations and comprehensive life skills learning. Prerequisites: EDUP-SP 407 or equivalent. Offered: On demand.

3 hrs

A&S 5509 **Methods Of Inq: Research Issues And Methods In The Liberal Arts**

This seminar is required of all first semester participations in the Master of Arts in the Liberal Studies program. Must be taken concurrent with either A&S 5510,A&S 5511,A&S 5512 or A&S 5513. This course serves as an introduction to various methods of inquiry and research in the humanities, social sciences, and sciences. Offered during four week-ends, the course is taught in conjunction with the week-day class offered that term (A&S 5510 through A&S 5513). This course includes graduate level instruction in library research use of computer generated research tools and a strong emphasis on academic writing. Offered fall and winter semesters.

3 hrs

A&S 5510 **Method Of Inquiry: An Interdisciplinary Study Of The 1930S**

This course is one of a series in the Master of Arts in Liberal Studies program which studies American culture, history, and science by examining major decades of the 20th-century. This seminar offers an in-depth study of America's Great Depression during the 1930s and how the problems of this country related to events across the globe. Readings, lectures, and discussions focus on historical, economic, political, and cultural issues in the face of national conflict. Sessions cover such topics as the emergence of Regionalist artists in the Midwest, the contributions of Kansas City jazz to the creation of a new art form, African-American writers, the role of women in the Depression, economic causes of the Depression, the Pendergast Machine, and scientific developments between the two World Wars. Offered: every fourth semester or on demand.

3 hrs

A&S 5511 **Methods Of Inquiry: An Interdisciplinary History Of The 1940S**

This course examines a decade, in this case the 1940s, from a variety of perspectives. The second world war stimulated profound changes in science, ethics, government, economics, social structures, and cultural constructions of race, class, and gender. In essence, this course will examine how America in the 1940s became increasingly "modern" and assesses the impact of those changes on the nation and the world.

3 hrs

A&S 5512 METHOD OF INQUIRY: AN INTERDISCIPLINARY HISTORY OF THE 1950S

This course examines a decade, in this case the 1950s, from a variety of perspectives. This course has three major themes: Domestic Politics, Foreign Relations and Scientific Development. Within these three major themes, a broad spectrum of human activity in the arts and sciences will be examined.

3 hrs

A&S 5513 METHODS OF INQUIRY: AN INTERDISCIPLINARY STUDY OF THE 1960S

As part of the Master of Arts in Liberal Studies series, this course examines a decade, in this case the 1960s, from a variety of perspectives. The Vietnam War stands as a turning point in the ways in which Americans, especially young Americans, viewed their country, the world, and, most importantly, themselves. This decade was crucial to the history of the civil rights movement, the women's liberation movement and American judicial process.

3 hrs

A&S 5514 CRITICAL CHOICES: METHODS OF INQUIRY IN SCIENCE

The course surveys current scientific developments and how these developments influence our society, whose citizens must make major policy decisions in areas with significant scientific content. Offered: On Demand

3 hrs

A&S 5520 CRITICAL CHOICES: FINAL RESEARCH PROJECT AND CAPSTONE SEMINAR

This seminar is designed as a capstone experience for students in the last semester of their studies in the Master of Arts in Liberal Studies program. Working with three faculty members of the graduate faculty (one member each from the humanities, the social sciences, and the sciences), each student defines a final research project, spends the semester developing it, and presents his or her findings to the seminar at the conclusion of the course. Each project is intended to be thought-provoking and to be researched from an interdisciplinary point of view.

3 hrs

A&S 5535 DIRECTED STUDIES IN LIBERAL ARTS

Open to students in the Master of Arts in Liberal Studies Program, this course offers students the opportunity to pursue independent work at the graduate level on selected topics of an interdisciplinary nature, working with faculty members from at least two different departments. The course may not be repeated beyond a total of three credit hours. Permissions of the MALS Programs Director required.

1-3 hrs

A&S 5540 LIBERAL ARTS THESIS

Open to students in the Masters of Arts in Liberal Studies Program who wish to include a written thesis in their program of studies. The course may not be repeated beyond a total of three credit hours. Permission of the MALS Program Director required.

1-3 hrs

A&S 5550 SEMINAR IN SOCIAL SCIENCE PERSPECTIVES STUDY OF COMMUNITY

3 hrs

A&S 5571 A SEMINAR IN THE SOCIAL SCIENCES

This is a designated Arts and Sciences course which gives all departments in the College the flexibility to offer, on demand and as the need arises, a graduate level seminar in a particular area of specialization in any discipline in the college. The individual departments determine the content of the course in any given term in the same manner as any seminar is currently handled. The departments are responsible for approving individuals or groups for the course and determine whether or not the course will be included as a part of post baccalaureate degree in their disciplines.

1-6 hrs

A&S 5572 SEMINAR IN PHILOSOPHY OF SCIENCE I

3 hrs

A&S 5581 PRACTICUM SEMINAR IN AGING

This practicum experience is for students who already have substantial experience working in the aging services network. Students, faculty and service providers to the elderly from the community will discuss a work on solutions to practical problems and issues confronted in agencies serving the elderly. The student will complete a written project and related oral examination on a problem pertinent to his/her work experience.

3 hrs

A&S 5591 PRACTICUM IN COMMUNITY SOCIAL SCIENCE RESEARCH

3 hrs

A&S 5592 FIELD PRACTICUM IN AGING

Students spend 180-480 hours in a field placement with the supervision in a community agency or organization which services or advocated for older persons and keep a journal documenting and reflecting on the practicum activities and experiences, particularly as related to gerontological theory and research. Students will study a particular subject relevant to their placement and describe this in a written project.

3-8 hrs

A&S 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

CHEMISTRY

CHEM 5511 LABORATORY SAFETY AND HEALTH I

An introduction to laboratory safety and health. Topics to be discussed include good laboratory practice; laboratory hazards; safe chemical handling; storage and disposal; first aid; protective equipment; and federal regulations.

1 hr

CHEM 5520 R SURVEY OF ORGANIC CHEMISTRY

An intensive advanced survey of the structure, synthesis and reactions of organic compounds. Three hours lecture a week.

3 hrs

CHEM 5521 R MECHANISMS OF ORGANIC REACTIONS

A comprehensive course in which the mechanisms of organic reactions are discussed in light of modern chemical principles. Prerequisites: CHEM 322R and CHEM 432. Three hours lecture a week.

3 hrs

CHEM 5522 SYNTHETIC ORGANIC CHEMISTRY

A critical approach to the synthesis and modification of organic molecules; newer methods will be emphasized. Prerequisites: CHEM 322R and CHEM 432. Three hours lecture a week.

3 hrs

CHEM 5529 SELECTED TOPICS IN ORGANIC CHEMISTRY

Selected topics from the chemistry and theories of organic structures with particular attention to recent developments. Three hours lecture a week.

3 hrs

CHEM 5530 SYSTEMATIC PHYSICAL CHEMISTRY

An intensive and comprehensive review of the principles of physical chemistry. This course may either emphasize thermodynamics with an introduction to principes of quantum mechanics or emphasize quantum mechanical description of atoms and molecules, molecular spectroscopy, statistical mechanics and kinetics. Three hours lecture a week.

3 hrs

CHEM 5531 CLASSICAL THERMODYNAMICS

A rigorous treatment of the laws of thermodynamics and their application to ideal and non-ideal equilibrium systems. Three hours lecture a week.

3 hrs

CHEM 5532 CHEMICAL KINETICS

Empirical analysis of chemical reaction rates. Theories of unimolecular and bimolecular reactions, reactions in solution and complex reactions. Review of modern and classical techniques used to study chemical kinetics. Three hours lecture a week.

3 hrs

CHEM 5533 QUANTUM CHEMISTRY

Application of quantum mechanical methods to the study of systems of chemical interest. Exact solutions and approximate methods will be discussed. Three hours lecture per week.

3 hrs

CHEM 5534 MOLECULAR SPECTROSCOPY

A theoretical introduction to molecular spectroscopy and its relation to structure. Electronic, vibrational and rotational spectra of chemical systems will be discussed.

3 hrs

CHEM 5535 STATISTICAL THERMODYNAMICS

A rigorous treatment of the fundamental concepts of statistical thermodynamics, with applications to specific systems that reflect the interests of students participating in the course.

3 hrs

CHEM 5539 SELECTED TOPICS IN PHYSICAL CHEMISTRY

Selected topics and recent developments in physical chemistry. Prerequisite: CHEM 5530 or consent of instructor. Three hours lecture a week.

3 hrs

CHEM 5541 R ADVANCED ANALYTICAL CHEMISTRY

An intensive review of modern concepts of analytical chemistry. Prerequisite: CHEM 432. Three hours lecture a week.

3 hrs

CHEM 5549 R SELECTED TOPICS IN ANALYTICAL CHEMISTRY

Selected topics and recent developments in analytical chemistry, including modern instrumental methods, electrochemical methods and separation methods. Topics vary from year to year. Prerequisite: CHEM 442 or CHEM 5541R.

3 hrs

CHEM 5551 R ADVANCED INORGANIC CHEMISTRY I

A systematic treatment of bonding, structure, reactions and reaction mechanisms of inorganic compounds, with emphasis on classical transition metal compounds and organometallic compounds. Prerequisite: CHEM 451 or equivalent.

3 hrs

CHEM 5553 R ORGANOMETALLIC CHEMISTRY

A survey of the synthesis, structure and reactions of organometallic compounds. Prerequisite: CHEM 5551R or consent of instructor. Three lecture hours each week.

3 hrs

CHEM 5559 SELECTED TOPICS IN INORGANIC CHEMISTRY

Various special topics in the inorganic area to be offered in different semesters. Prerequisite: CHEM 5551R or consent of instructor. Three hours lecture a week.

3 hrs

CHEM 5567 ADVANCED BIOORGANIC CHEMISTRY

This course examines the organic chemistry and laboratory synthesis of the major biopolymers and organic chemistry related to biological systems. Emphasis is on literature and library research and natural product and solid phase organic synthesis, combinatorial synthesis, bioconjugates and applied bioorganic chemistry.

3 hrs

CHEM 5571 R INTRODUCTION TO POLYMER CHEMISTRY

Survey of organic and inorganic monomers and polymers; the occurrence, synthesis, structures and properties of natural and synthetic polymers; discussion of general properties of plastics, elastomers, fibers, resins and plasticizers. Prerequisite: CHEM 432. Three lecture hours a week.

3 hrs

CHEM 5579 R SELECTED TOPICS IN POLYMER CHEMISTRY

Selected topics and recent developments in specialized fields of polymer chemistry. Presented at intervals, topics vary from year to year.

3 hrs

CHEM 5580 R COMPUTER APPLICATIONS TO CHEMICAL PROBLEMS

An intense course in FORTRAN programming and its uses in chemical problems related to theory and experimentation. Emphasis will be placed on the mathematical structures of the chemical problems and the coding of these problems into Fortran. No previous programming experience is required.

3 hrs

CHEM 5587 ENVIRONMENTAL CHEMISTRY I

A survey of how chemical principles can be applied to the environment. Included will be topics in aquatic chemistry, atmospheric chemistry and chemistry of the geosphere and soil.

3 hrs

CHEM 5588 ENVIRONMENTAL CHEMISTRY II

Discussion of selected topics in advanced environmental chemistry, such as environmental toxicology, environmental risk, the chemistry of hazardous wastes and their treatment, and environmental analytical chemistry.

3 hrs

CHEM 5590 DIRECTED STUDIES

Intensive readings and/or research in an area selected by the graduate student in consultation with the instructor.

1-3 hrs

CHEM 5598 Research Methodology Conference

Student will meet on an individual basis with two faculty members who are involved in research. The student's adviser will coordinate this course.

3 hrs

CHEM 5599 Research And Thesis

Research for thesis.

1-9 hrs

CHEM 5611 Chemistry Seminar

Presentation and discussion of topics currently appearing in United States and foreign literature. One hour each week.

1 hr

CHEM 5699 Research And Dissertation

Research for dissertation.

1-16 hrs

CHEM 5899 Required Graduate Enrollment

1 hr

Communication Studies

COMM-ST 5597 Directed Graduate Studies: Readings

Special Projects on the graduate level.

1-6 hrs

COMM-ST 5598 Directed Graduate Studies: Non-Thesis Research

Special projects on the graduate level.

1-6 hrs

Criminal Justice and Criminology

CJC 5500 Sociology Of Law

A sociological study of the legal system with focus on organizational analyses of the legal profession, courts as a social system, the bureaucratization of the legal process, stratification and the allocation of legal services and careers.

3 hrs

CJC 5501 Proseminar To The Criminal Justice System

This course is designed to address issues affecting the entire criminal justice system. The course addresses aspects of policing, courts and court administration, and the state of American correctional practices.

3 hrs

CJC 5510 Sociological Methods I

A survey of methods used by sociologists: selection and formulation of problem, research design, survey research, participant observation, sampling, reliability and validity, and use of scales, and data analysis. Crosslisted with SOCIOL 510. Offered: Fall. Prerequisites: CJC 483 or equivalent

3 hrs

CJC 5511 Sociological Methods II

Quantitative research is the primary focus of the course; emphasis is placed on problem formulation; research design; sampling procedures, questionnaire construction and interviewing techniques; data collection; problems of scaling, computer statistical programs; linking appropriate statistical analyses with data analysis; and report writing. Cross listed with SOCIOL 511. Prerequisite: CJC 483 or equivalent.

3 hrs

CJC 5516 Intermediate Statistics

A systematic development of the logic and practice of selected statistical methods used in sociological research. Included are analysis of variance and covariance, regression analysis, multiple contingency, and non-parametric tests. Prerequisite: CJC 363 or equivalent. Crosslisted with SOCIOL 516.

3 hrs

CJC 5518 Advanced Criminological Theory

This course provides an understanding of past as well as present criminological theories by examining each criminological tradition (beginning in the 18th century and continuing into the present.) The primary aim of the course is to determine the root causes of deviant and criminal behaviors. Moreover, this course offers special attention to how society has historically reacted and responded to crime and deviant behavior. Furthermore, by examining crime and deviant behavior from a historical context, the

students are able to determine how criminological theories have influenced public policies designed to reduce and control criminal behavior. In the final analysis, students will examine the rationales that society use to justify efforts toward punishment and treatment. Prerequisite: CJC 319 or equivalent.

3 hrs

CJC 5530 CRIME AND THE PUBLIC HEALTH CARE SYSTEM

This course will focus on how crime affects the public health care industry. Special attention will be given to the integration of criminal justice and public health care strategies to address the crime problem, reduction of victimization, and expensive medical costs.

3 hrs

CJC 5540 CRIMINAL JUSTICE ORGANIZATION AND MANAGEMENT

The purpose of this class is to introduce the student to the police, courts and corrections from, an organizational perspective. First, this class discusses organizational theory, the idea of open and closed systems, the relationship of organizations to its environment and the concept of the organizational goal. Next, this class will address management issues and individual and group behavior in organizations. Finally, this class will discuss organizational change, and the requisite modifications for the implementation of change in organizations.

3 hrs

CJC 5551 SEMINAR IN POLICING

This course addresses the important topics related to the institution of policing. Through readings and class discussions, students will gain a better understanding of both historical aspects of policing as well as the future of policing. Topics include selection, training and socialization, police management, deviance and corruption, use of force, community oriented policing.

3 hrs

CJC 5565 SEMINAR IN CRIME PREVENTION

This seminar examines variations in methods to reduce crime in America, including strategies from the criminal justice system as well as other institutions. Building on established criminological theory, this seminar will evaluate the best practices to prevent crime across a variety of social contexts.

3 hrs

CJC 5570 CONTEMPORARY CORRECTIONS AND CORRECTIONAL POLICY

Present-day correctional alternatives are considered regarding the correctional policy that is, or potentially can be, carried out within the various programs. Prisons, probation, parole community-based programs are evaluated as to the theory of punishment demonstrated within these programs. Emphasis is placed on what constitutes a rational and workable corrections policy and the form of correctional programs needed to realize such policy.

3 hrs

CJC 5571 LEGAL ASPECTS OF CRIMINAL JUSTICE PROFESSIONALS

This course is designed to acquaint students with the powers that correctional administrators enjoy. In the final analysis, the course addresses the legal liabilities that administrators face if they infringe on the rights of people in the places of confinement.

3 hrs

CJC 5575 CORRECTIONAL REHABILITATION AND TREATMENT

This course will begin with a thorough examination of the rise, fall, and recent resurrection of "rehabilitation and treatment" in American Correctional strategies. Both past and current treatment strategies will be studied regarding their effectiveness in reducing recidivism. This will be done through a survey of the quantitative literature base. There will be some emphasis on treating special needs offenders (e.g., sex offenders, juvenile offenders, offenders with developmental disabilities or mental illnesses.

3 hrs

CJC 5576 SEMINAR IN CRIMINAL JUSTICE AND CRIMINOLOGY ISSUES

This course is an advanced exploration of the relationship between the criminal jusitice system and criminal behavior from at least one of the following perspectives: psychological, sociological, economic, legal, political or administration/ management. Will include discussions and analysis of contemporary readings and on-going research in the selected perspective.

3 hrs

CJC 5580 SEMINAR: POLICY AND DECISION MAKING IN CRIMINAL JUSTICE

The focus of the course is the nature and scope of policy and decision-making processes in legal institutions and law enforcement bureaucracies.

3 hrs

CJC 5590 DIRECTED STUDIES IN CRIMINAL JUSTICE AND CRIMINOLOGY

Individual research and study in the student's field of interest as approved and directed by major professors. The work involves examination and reporting of selected problems affecting the various agencies of our legal system. A. Law Enforcement B. Court Operations and Administration C. Corrections D. Legal Theory and Philosophy E. Criminological Theory F. Sociology of Law

1-3 hrs

CJC 5592 ADVANCED GIS FOR CRIME ANALYSIS

This course provides an overview of crime mapping as it relates to the spatial and temporal analysis of crime. Utilizing theory related to criminal offending, this course will provide students with hands-on experience in geographic profiling and crime prevention strategies. Prerequisites: GEOG 203 or equivalent

3 hrs

CJC 5595 CRIME ANALYSIS INTERNSHIP

This experience involves working with crime analysts in the field. Students will learn and hone practical skills while being supervised by department faculty or staff. Prerequisite: CJC 592

3 hrs

CJC 5599 RESEARCH AND THESIS

Directed specialized research. Before writing a thesis, the student must clear the topic and research design with the Supervisory Committee.

1-6 hrs

CJC 5699 DISSERTATION RESEARCH

Individual directed research leading to preparation and completion of doctoral dissertation. Prerequisites: PH.D course requirements completed. Offered: Every Fall, Every Winter, Every Summer.

1-12 hrs

CJC 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

ECONOMICS

ECON 5501 ADVANCED MACROECONOMIC ANALYSIS

Basic theoretical concepts of national income and statistical tools utilized in its measurement. Aggregate demand and supply as problems of economic dynamics. The course includes examination of the primary competing theoretical approaches: neoclassical, Keynesian, new classical, real business cycle, new keynesian supply side, Austrian, and Post Keynesian. Topics covered inclue growth, money, labor markets consumption, investment, expectations formation, role of time and uncertainty, equilibrium and disequilibrium analysis, exchanges rates, international trade. and optimal currency areas. Policy implications of the various macroeconomic theories are explored. Prerequisites: ECON 301 and ECON 302, or their equivalent. Offered: Fall 2001.

3 hrs

ECON 5502 ADVANCED MICROECONOMIC ANALYSIS

The course first provides a critical survey of neoclassical microeconomic theory, including methodology, demand theory, production and cost theory, theory of competitive and non-competitive markets, distribution, welfare, and general equilibrium. It then introduces heterodox microeconomic theory, covering its historical origins, methodology, structural organization of economic activity, in-put-output models, flow of funds, agency and institutions, and the business enterprise. Prerequisites: ECON 302, ECON 521

3 hrs

ECON 5504 R AMERICAN ECONOMIC HISTORY SINCE 1865

The course deals with the emergence of Industrial America since 1865. It will cover the rise to dominance of the large modern corporation, with the problem of economic and social instability and stability, with the rise of trade associations, cartels, and government regulation in an unstable economy, and with the evolution of American economic policy and national economic planning. The course is the same as HISTORY 566R.

3 hrs

ECON 5504 RR AMERICAN LABOR HISTORY

This course examines the history of work and the working class in the U.S. from 1750 to the present. We will focus on the transformation of the workplace,the rise of the union movement, the nature of cultural and political organizations,workers' relationships with other social groups,and the role played by gender,race,and ethnicity in uniting or dividing the working class. Also cross-listed with HISTORY 566RR. Prerequisites: graduate standing

3 hrs

ECON 5505 ADVANCED COMPARATIVE ECONOMIC SYSTEMS

Contents vary depending upon the instructor's design for the course. Prerequisite: ECON 301, ECON 302.

3 hrs

ECON 5506 ADVANCED HISTORY OF ECONOMIC THOUGHT

This seminar uses issues raised in the reading of two 'classic' primary texts, Adam Smith's An Inquiry into the Nature and Causes of the Wealth of Nations (1776) and John Maynard Keynes's The General Theory of Employment, Interest and Money (1936), as points of departure for the examination of a series of topics in the history and development of economics and alternative paradigms in the discipline. These investigations will lead lus to the study of a number of other seminal articles, representing alternative approaches in the field. Topics include competition, accumulation, path dependence and endogenous technical change, cumulative causation, the laws of return, money and credit, capital theory, and more. Prerequisites: ECON 301,ECON 302

3 hrs

ECON 5508 CONTROVERSIAL ISSUES IN RECENT ECONOMIC LITERATURE

This course will focus on theoretical and policy-oriented controversies that have occured in economic in the 20th century. The type of controversies covered include, but are not restricted to, money, unemployment, business cycles and economic growth, pricing and administered prices, capital controversy, labor theory of value controversy, and free trade vs. protectionism. While the course concentrates on recent debates, it identifies the origins of the modern disputes in earlier controversies. For each controversy, its real world importance and policy implications are discussed.

3 hrs

ECON 5512 ADVANCED ECONOMIC DEVELOPMENT

Contents vary depending upon the instructor's design. Prerequisite: ECON 301, ECON 302.

3 hrs

ECON 5513 ECONOMIC CYCLES AND GROWTH

A critical review and evaluation of economic analysis and the forces of economic fluctuation and growth; and analysis of statics, dynamics, monopolistic competition, the role of the interrelationships of the market structure and other institutional forces as they relate to fluctuations and growth. An emphasis will be made on the critical evaluation of recent literature in the field of economic analysis related to fluctuations, growth, statics, dynamics, market structure and the reinterpretation of economic fluctuations, growth, forecasting and overall economic behavior. An analysis of the technological, monetary, and fiscal policy implied by economic trends and growth will also be discussed. Prerequisite: ECON 501 or its equivalent or by special permission of the instructor.

3 hrs

ECON 5516 L LAW AND ECONOMICS

This course will examine the use of economic principles in the analysis and applicatins of public and private law. Emphasis will be given to the efficiencies of laws in meeting social objectives, how laws can be modified to become more economically efficient, and the uses of economics in the actual practice of the law. Issues covered will include proofs of liability in antitrust, contracts and employment law using statistical and economic analysis, and the calculation of economic damages in commercial, employment and personal injury/death litigation.. Graduate students will be assigned a specific research paper.. Prerequisites: ECON 302 or consent of instructor.

3 hrs

ECON 5521 MATHEMATICAL ECONOMICS

An introduction to mathematical methods as applied to the questions addressed by economists. The principal methods to be applied are matrix algebra and differential calculus in the context of optimization. Other topics may include integral calculus, differential equations, difference equations or linear and nonlinear programming. Prerequisites: ECON 301, ECON 302 and MATH 110 or equivalent

3 hrs

ECON 5525 ECONOMETRIC METHODS

Continuation of ECON 425. The major problems encountered in building and testing economic models are treated and alternative solutions to these problems are discussed. Major topics include corrections for heteroscedasticity and autocorrelation, maximum likelihood and BLUE estimation, simultaneous equations methods, probit and logit analysis and distributed lags. Other topics may include ARIMA or other series analytic methods, three stage least squares and dynamic multipliers or simulation. Work with econometric software is stressed. No programming experience necessary. Prerequisite: ECON 425 or equivalent and ECON 521

3 hrs

ECON 5529 READINGS IN QUANTITATIVE ECONOMICS

Readings from the economic literature which stress advanced mathematical or econometric tools. A general subject matter is selected by the student with the consent of the instructor. Prerequisites: ECON 521,ECON 525

3 hrs

ECON 5531 MONETARY THEORY AND POLICY

A study of the nature and functions of money and the financial system, with emphasis on monetary theory and its application to current banking and financial problems; recent contributions to monetary theory and current literature. Prerequisite: ECON 301.

3 hrs

ECON 5535 THEORY OF PUBLIC FINANCE

An inquiry into the scope and nature of economics with emphasis on the nature of the public sector including a brief study of welfare criteria along with the study of ability to pay, benefit theory of taxation, and expenditure theories.

3 hrs

ECON 5537 STATE AND LOCAL GOVERNMENT FINANCE

This course investigates the role, problems and relative importance of municipal governments in the United States. Such areas as the demand for public services, tax and expenditure policies, and intergovernmental fiscal relations will be explored in detail. Case studies of state and local governments will be introduced to emphasize the problems and proposed solutions arising in modern municipal governments. Prerequisite: ECON 302.

3 hrs

ECON 5538 ECONOMIC POLICY

Analysis of the confluence of political and economic behavior, the economics of collective action. Prerequisites: ECON 301 and ECON 302

3 hrs

ECON 5540 ADVANCED INTERNATIONAL TRADE

This course emphasizes the global allocation of resources and distribution of income under various commodity market conditions and government trade policies. Major topics include: comparative advantage; terms of trade; the distribution of gains and losses from trade; perfect vs. imperfect competition; tariffs, quotas and other barriers to trade; exchange rates and the balance of payments; preferential trading arrangements; international factor movements and multinational corporations. Prerequisites: ECON 302, or equivalent; graduate status.

3 hrs

ECON 5542 ADVANCED INTERNATIONAL FINANCE

This course emphasizes the global activity and balance of payments implications of government taxation, expenditure and monetary policies under various capital market conditions. Major topics include: exchange rates and the balance of payments; national income determination in an open economy; integratedand non-integrated capital markets; economic growth, stabilization policies and the quest for global economic stability.

3 hrs

ECON 5548 ADVANCED SOCIALIST ECONOMIC SYSTEMS

The course will deal with the theoretical analysis of socialist economic theory, Marxian and non-Marxian, and/or of socialist economics systems such as those of Eastern Europe, the Chinese mainland and elsewhere. The emphasis of the course will vary depending upon the instructor's design for the course. Prerequisite: ECON 301 and ECON 302.

3 hrs

ECON 5550 REGIONAL ECONOMICS

The economics of spatial relations, emphasizing basic location and land utilization theory and the role of transport will be considered at the micro-level. Keynesian and neoclassical growth theories and contemporary policy approaches to regional growth and decline are analyzed. Prerequisite: ECON 302.

3 hrs

ECON 5551 ADVANCED INSTITUTIONAL THEORY

Evolution, organization and allocation functions of the modern industrial economy. Contributions and limitations of conventional economic concepts. Philosophical and theoretical interpretations of the economy in light of modern developments in philosophy and social science. Prerequisite: ECON 451

3 hrs

ECON 5558 ADVANCED URBAN ECONOMICS

The study of the city as a dynamic system of interrelated and interdependent markets. Significant markets in cities include land, housing, labor, transportation and public services.

3 hrs

ECON 5560 INDUSTRIAL ORGANIZATION

The structure, conduct and performance of American industry. Historical evolution of American industry; alternative industrial systems, antitrust policies and their alternatives. Technological change and industrial performance. Prerequisite: ECON 301, ECON 302.

3 hrs

ECON 5565 ADVANCED HEALTH ECONOMICS

This course is a critical review and evaluation of the economic analysis of medical markets. An emphasis will be placed on the critical evaluation of recent literature assessing health care systems and institutions, medical care spending, deman estimations for various types of medical services, demand estimation for medical insurance, analysis of medical care productions and costs, analysis of government policy for the deployment of health care resources. Prerequisites: ECON 465 or equivalent. Offered: Every Other Winter on Demand.

3 hrs

ECON 5583 RACIAL INEQUALITY & PUBLIC POLICY

This course will provoke open debate and discourse about public policy responses to racial inequality. The emphasis is on stimulating participants to think about and to analyze critically the range of strategies offered for reducing racism and racial economic inequality. Offered: On demand

3 hrs

ECON 5587 HUMAN RESOURCE ECONOMICS

An analysis of the factors determining the productivity of human resource: education, nutrition, job training and work environment. An analysis of work patterns, wage patterns, and the impact of automation. This course will be taught at the same time as ECON 487, the undergraduate Human Resource Economics. Graduate students will be assigned a specific research paper on a topic to be decided with the instructor. Prerequisite: ECON 302

3 hrs

ECON 5588 ADVANCED POLITICAL ECONOMY

This course gives students a comprehensive introduction to the history and modern practice of political economy, with particular emphasis on Marxian and Classical political economy. Topics include: value theory, class theory, economic reproduction, economic crisis, the theory of history, and methodology, Course offered on demand. Course may be taken concurrently with ECON 521Prerequisites: ECON 521 or permission of instructor

3 hrs

ECON 5589 GRADUATE SEMINAR IN LABOR ECONOMICS

Content of seminar will vary from semester to semester depending upon the instructor's design for the course. Prerequisite: ECON 486.

3 hrs

ECON 5590 SPECIAL TOPICS

Selected topics in theoretical and applied economics. Prerequisite: Consent of instructor.

1-3 hrs

ECON 5590 A **SPECIAL TOPICS**

1-3 hrs

ECON 5590 B **SPECIAL TOPICS**

1-3 hrs

ECON 5590 C **SPECIAL TOPICS**

1-3 hrs

ECON 5591 **RESEARCH AND PLANNING SEMINAR**

The objective of this research seminar is to apply the quantitative techniques and theoretical constructs of economics to an urban-regional problem. Students are required to formulate and evaluate present economic models, and then complete a research project. Prerequisites: ECON 502 and ECON 521

3 hrs

ECON 5599 **RESEARCH AND THESIS**

Directed specialized research.

1-6 hrs

ECON 5601 **COLLOQUIUM IN ADVANCED MACROECONOMICS**

The course will deal with analyses of topics in Macroeconomic analysis and Macroeconomic policies and investigation of current literature in divers areas of Macroeconomic analysis. A written report(s) will be made upon the selected assignment(s). Prerequisite: ECON 501 or equivalent.

3 hrs

ECON 5602 **COLLOQUIUM IN ADVANCED MICROECONOMICS**

As a continuation of ECON 502, this course deals with the business enterprises-including production, costs, pricing, and investment-markets, market demand, market governance, general price-quantity models of the economy, microfoundations of the heterdox macroeconomics, and social welfare. Prerequisite: ECON 502

3 hrs

ECON 5608 **TOPICS IN ECONOMIC THEORY**

This course deals with advanced topics in Institutionalist, Post Keynesian, and other heterodox econnomic theory. May be repeated with different topic. Offered on a 2 year cycle or on demand.

3 hrs

ECON 5616 **HISTORY OF ECONOMICS IN THE 20TH CENTURY**

The history of 20th century economics is concerned with a number of interdependent issues, including the institutional organization of economics at universities; the historical development of the structures and social networks that make-up the economic paradigms of neoclassical economics, Marxian economics, Post Keynesian economics, and other heterodox economics; and the role of institutional and state power to maintain the dominance of the neoclassical paradigm. The aim of the course is to introduce students to this institutional/organizational history.

3 hrs

ECON 5625 **COLLOQUIUM IN ECONOMETRICS**

This course treats advanced topics in econometrics such as non-linear estimation techniques, model development, simultaneous equation estimation techniques, and simulation. Topics are developed from theoretical and application perspectives. Familiarity with personal computer is necessary. Prerequisite: ECON 521, Mathematical Economics or equivalent, ECON 525, Econometrics, or equivalent, ECON 501, Advanced Macro-economics or equivalent, ECON 502, Advanced Micro-economics or equivalent.

3 hrs

ECON 5645 **FINANCIAL MACROECONOMICS**

This course will introduce the student to the central role of financial analysis in macroeconomic analysis and to theories of macroeconomics instability based on the integration of finance and macroeconomics. It will examine modern finance theory and modern approaches to financial analysis, paying particular attention to the contributions made by Fisher and Keynes. Offered: Fall 2000

3 hrs

ECON 5660 **EVOLUTION OF AMERICAN INDUSTRIAL SOCIETY**

Drawing on economic and organizational theory, the course will concentrate on the evolution of American industrial technology, the American business enterprise, and the organization of American industries and markets since 1870.

3 hrs

ECON 5665 COLLOQUIM IN ADVANCED HEALTH ECONOMICS

This course is designed as a seminar with a special emphasis on analysis of econometric methods to assess issues in health care. The topics are developed from a theoretical and applied perspective. Familiarity with personal computers is necessary. Special emphasis will be given in the selection of course topics to the interests and backgrounds of participants. Prerequisites: ECON 565, ECON 521, and ECON 525 or their equivalents. Offered: Every other Winter on demand.

3 hrs

ECON 5680 TEACHING METHODS AND COURSE DESIGN

This course is designed to prepare students for the challenge of teaching economics. Students will be taught how to write a syllabus; how to prepare for class; how to plan learning activities; how to become skillful in leading discussion; how to present an effective lecture; how to test and assess student learning; how to develop effective group projects; how to motivate their students for lifelong learning. Students will be required to design a course to be taught at the 200-, 300or 400-level. It would be possible for the student to design an entirely new course, but it is hoped that the student will choose an existing course, which could then be taught as part of the ECON 681/682 requirement. The student will prepare a complete set of course materials, including a lecture outline, a list of require readings, useful handouts, course materials, including a lecture outline, a list of require readings, useful handouts, course assignments, exams, etc. The course should incorporate an interdisciplinary approach and should emphasize an "active learning" component, designed to promote a "rich learning experience." The student will work closely with an appropriate member of the faculty. Prerequisite: Must have completed/passed Comprehensive Exams Offered: Every Fall

3 hrs

ECON 5688 COLLOQUIUM ON POLITICAL ECONOMY

This course is designed as a seminar and will take into account theory and policy analysis from alternative perspectives. The topics covered will include philosophical foundations of contemporary theory and policy, the organization of production information and finance, resource and environment, wealth and income distribution, public and private policy and planning. Stress is placed on contemporary research and students are expected to become involved in research projects.

3 hrs

ECON 5690 SPECIAL DOCTORAL READINGS IN ECONOMICS

Special research topics in Economics at the Doctoral level.

1-3 hrs

ECON 5699 DOCTORAL DISSERTATION

Directed selected research for Economics in the interdisciplinary doctoral program.

1-12 hrs

ECON 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

ENGLISH

ENGLISH 5500 INTRODUCTION TO GRADUATE STUDY IN ENGLISH

An introduction to historical and contemporary methods of research and scholarship related to English Studies. The course uses a wide spectrum of print and digital materials, library facilities (including archives and Special Collections), Databases, and other resources such as microfilm, to explore English studies as an academic discipline.

3 hrs

ENGLISH 5501 MAGAZINE EDITING

A course combining academic study of editorial management, publishing operations and language skills, with "hands on" experience in article evaluation, editing, magazine production and legal matters such as copy right and libel. Class work concentrates on authentic and effective language use, with attention given to copy editing, grammar, typography, printing processes, financing and distribution, for commercial and small-press publications.

3 hrs

ENGLISH 5502 MAGAZINE NONFICTION

This course emphasizes the origination and execution of nonfiction magazine articles for a variety of publications. Special attention is given to successful queries, and the various writing techniques required for different kinds or articles. Students learn re-structuring and revision and the legalities affecting writers. Students are expected to complete three publishable articles.

3 hrs

ENGLISH 5503 OLD ENGLISH

This course is a study of old English, its grammar, its poetic style, and it literature, both poetry and prose.

3 hrs

ENGLISH 5504 RADIO AND TELEVISION WRITING

A course in how to write scripts, both dramatic and comic, for radio and television. Special emphasis is placed on the genesis and continuation of the radio and television series. Principles of dramaturgy for broadcast media are also stressed. Students are expected to write at least one broadcast play, and the pilots for at least three series. Attention will also be given to the marketing of broadcast scripts and to local production of their writing.

3 hrs

ENGLISH 5508 HARLEM RENAISSANCE

This course examines the period from 1920 to 1940, known as the Harlem Renaissance, a time of unprecedented literary and cultural creativity by Black artists. This course explores a variety of cultural productions, not only traditional forms of literature such as novels, short stories, plays and poetry, but also nonliterary objects of study such as painting, sculpture, and music. Offered: On demand

3 hrs

ENGLISH 5510 BLACK WOMEN WRITERS

This course explores the writings of African American Women Writers. The course examines how these writers have interacted with and often revised stereotypical representations of African American womanhood typically found within canonical and African American male literatures. The course will examine literature (which might include fiction, poetry, autobiography, and drama) of the nineteenth and twentieth centuries; the majority of the works will be by modern and contemporary authors such as Nella Larsen, Zora Neale Hurston, Toni Morrison, and Terry McMillan. By placing the works in this sort of cultural and historical context, it will be possible to examine the unique tradition of African American women's writings as well as individual texts.

3 hrs

ENGLISH 5512 CHAUCER

Readings from Chaucer's most important works, especially "The Canterbury Tales" and "Troilus and Criseyde" with emphasis on them as types of medieval genres and on the Middle English language. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5513 RENAISSANCE LITERATURE I

English literature from the time of Wyatt and Surrey to the beginning of the 17th century, including the works of Spenser, Marlowe, Sidney, Shakespeare and others. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5514 MILTON

A study of Milton's prose and poetry, with special attention to "Paradise Lost". Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5515 RESTORATION AND EARLY 18TH-CENTURY BRITISH LITERATURE

British literature from the late 17th century to the mid 18th cetury. Selected writers may include Addison and Steele, Behn, Congreve, Defoe, Dryden, Finch, Pope, Rochester, Swift, and Wortley Montagu.

3 hrs

ENGLISH 5516 THE ROMANTIC PERIOD

An extensive study of selected writers (such as Austen, Barbauld, Byron, Coleridge, Hazlitt, Hemans, Keats, Gilpin, the Shelleys, Wollstonecraft, and Wordsworth) organized around literary themes and/or cultural issues important to the Romantic period. Prerequisite: ENGLISH 327 or permission of the instructor. This prerequisite applies only to undergraduate students.

3 hrs

ENGLISH 5517 MODERN POETRY

Study of works by modernist poets such as Hopkins, Yeats, Frost, Stevens, Williams, Moore, Pound, H.D., Eliot, Millay, Hughes. Students will make in class presentations and submit papers requiring research and bibliographic work.

3 hrs

ENGLISH 5518 19TH-CENTURY AMERICAN LITERATURE

An intensive study of either selected major American writers in the 19th Century or of 19th-Century literary movements. Students will make in class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5519 TEACHING WRITING: THEORIES, HISTORIES, CONTEXTS, PRACTICES

This course focuses on issues related to the teaching of English at the high school and college levels, with an emphasis on the teaching of writing. Issues addressed may include assignment design, teaching invention and revision, response to and evaluation of writing, collaborative learning, relationships between reading and writing, classroom uses of electronic media, and institutional contexts within which teachers work. The course is required of Teaching Assistants in the UMKC Composition Program, to be taken either prior to or concurrently with their first semester of teaching. Secondary English teachers and others interested in English teaching are also welcome.

3 hrs

ENGLISH 5520 GREATER KANSAS CITY WRITING PROJECT

Studies in methods and objectives for the teaching of English with special attention to secondary school teaching.

3 hrs

ENGLISH 5522 MEDIEVAL LITERATURE

Western religious and secular verse and prose, to the 15th-century. Late Middle English works are read in the original; all other selections in translation. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5523 RENAISSANCE LITERATURE II

English literature from 1600 to the beginning of the Restoration, including the works of Donne, Jonson, Milton, and other contemporaries. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5526 THE VICTORIAN PERIOD

An intensive study of selected writers (such as Arnold, Braddon, the Brontes, the Brownings, Dickens, Darwin, Eliot, Gaskell, Hardy, Ruskin, and the Rossettis) organized around literary themes and/or cultural issues important to the Victorian period. Prerequisite: ENGLISH 327 or permission of the instructor. This prerequisite applies only to undergraduate students.

3 hrs

ENGLISH 5527 CONTEMPORARY POETRY

Study of works by contemporary poets (post World War II), such as Auden, Bishop, Hayden, Berryman, Rukeyser, Larkin, Rich, Plath, Heaney, Boland, Komunyakaa. Students will make in class presentations and submit papers requiring research and bibliographic work.

3 hrs

ENGLISH 5528 20TH CENTURY AMERICAN LITERATURE

Major American writers or literary movements of the 20th-century. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5529 SCREENWRITING II

This advanced screenwriting course should allow students to complete a rough draft of a screenplay that they have begun in another course or on their own. It can also be used as a course in which a play or short story is transformed into a screenplay. Students are expected to be familiar with screenwriting techniques and formats and with cinematic concepts before they enroll in this course. Prerequisite: ENGLISH 429 or permission of instructor.

3 hrs

ENGLISH 5531 LATE 18TH-CENTURY BRITISH LITERATURE

British literature from the mid to late 18th century. Selected writers may include Blake, Burney, Collins, Equiano, Fielding, Gray, Johnson, Sheridan, and Wollstonecraft.

3 hrs

ENGLISH 5532 ADVANCED CREATIVE WRITING: FICTION

A course for advanced students of fiction writing. The class will proceed through analysis of models, discussion of general principles, critique of student work. Students will simultaneously be encouraged to experiment and to refine the form and subjects best suited to their talents. Emphasis will remain on the short story, though there may be units in other forms--novella, film script, the non-fiction essay. May be repeated once for credit. Prerequisite: Graduate Standing Offered: Every Year

3 hrs

ENGLISH 5533 HISTORIES OF WRITING, READING, AND PUBLISHING

A study of selected topics concerning the material practices of writing, reading, and publishing within specific cultural and historical contexts. Issues examined may include authorship, education, information technologies, libraries, literacy, periodicals, popular literature, publishers, and communities of readers. Offered: On Demand

3 hrs

ENGLISH 5534 POSTCOLONIAL LITERATURE

An exploration of postcolonialism through the study of literary and theoretical texts created by or representing peoples whose historical experience has been decisively shaped by the experience or legacies of colonialism. Texts will be drawn from a variety of genres and from several countries. The course will consider several definitions of postcolonialism and related terms such as cosmopolitanism, hybridity, diaspora, and nationalism. Prerequisite: None Offered: On Demand

3 hrs

ENGLISH 5535 ADVANCED CREATIVE WRITING: POETRY

An advanced poetry workshop that includes intensive reading of contemporary poetry and aims at each student creating a portfolio of publishable poems. The focus of the course will vary to address a variety of topics such as metaphor and closure; imitation and the line; form and voice. May be repeated once for credit. Offered: Every Year Prerequisite: Graduate Standing

3 hrs

ENGLISH 5536 POETIC FORMS

An advanced creative writing course that focuses on intensive study of and practice in metrics and traditional and nonce forms. May be repeated once for credit. Prerequisite: ENGLISH 315 or its equivalent

3 hrs

ENGLISH 5537 PROSE FORMS

This course covers techniques for planning and drafting major prose forms. Students will learn how to use content as a guide to inventing new forms (i.e. novella, novel, linked-story collection, episodic novel, essay novel, and creative nonfiction book. Prerequisites: ENGLISH 432 ENGLISH 435 Adv CW Prose/Poetry Offered: Winter

3 hrs

ENGLISH 5540 AMERICAN CULTURE

Texts that offer perspectives on key historical themes of American culture. Texts may be grouped around any culturally significant principle (e.g. region, race, gender, class, ethnicity, religion) or theme (e.g. the mythology of the frontier, marriage and domesticity, the American Dream). Students will make in-class presentations and submit papers requiring research and bibliographical work. Offered: On demand.

3 hrs

ENGLISH 5541 GIRLS AND PRINT CULTURE

This course deals with girl's relationships to the continually evolving print culture. Students will examine various literary representations of girlhood by adult writers, explore texts directed at girls (e.g., conduct books, periodicals, textbooks),and study the writing and reading practices of girls themselves. Offered: On demand

3 hrs

ENGLISH 5545 HISTORY AND PRINCIPLES OF RHETORIC

A study of selected writings of ancient and modern rhetoricians illustrating key issues in the development of Western discourse theory and practice. Issues examined include the relationships between rhetoric and knowledge, orality and literacy, and rhetoric and poetics. Attention will also be given to the implications of rhetorical theory for modern language instruction. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5547 INTRODUCTION TO LITERARY CRITICISM

An introduction to major schools or methods of literary criticism. The first third of the course is an historical overview of criticism from Aristole to Northrop Frye. The remainder of the semester is devoted to a study of genetic, formalist, mimetic, affective, intertextual, and deconstructionist approaches. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5550 GRADUATE SEMINAR

Authors, works and intellectual currents which form the basis of these seminars may vary from semester to semester, depending upon the instructor's design for the course. May be repeated for credit. Composition & Rhetoric Course 550 covers the first halves of periods which naturally fall in two parts. Continued in ENGLISH 555.

3 hrs

ENGLISH 5550 A GRADUATE SEMINAR MEDIEVAL LITERATURE I

3 hrs

ENGLISH 5550 B GRADUATE SEMINAR RENAISSANCE LITERATURE I

3 hrs

ENGLISH 5550 C GRADUATE SEMINAR NEO-CLASSICAL LITERATURE I

3 hrs

ENGLISH 5550 D GRADUATE SEMINAR 19TH CENTURY LITERATURE I

3 hrs

ENGLISH 5550 E GRADUATE SEMINAR AMERICAN LITERATURE I

3 hrs

ENGLISH 5550 F GRADUATE SEMINAR MODERN LITERATURE I

3 hrs

ENGLISH 5550 G GRADUATE SEMINAR LITERARY CRITICISM

3 hrs

ENGLISH 5550 H GRADUATE SEMINAR STUDIES IN FICTION I

3 hrs

ENGLISH 5550 I **Graduate Seminar In Dramatic Literature I**

3 hrs

ENGLISH 5550 J **Graduate Seminar: History Of The English Language**

3 hrs

ENGLISH 5550 K **Graduate Seminar: Creative Writing Prose**

3 hrs

ENGLISH 5550 M **Graduate Seminar In Rhetoric And Composition**

3 hrs

ENGLISH 5550 N **Graduate Seminar: Criticism**

3 hrs

ENGLISH 5550 P **Graduate Seminar: Sociolinguistics And Dialectology**

Seminar focusing on the role of social factors in language use, and on the origin and development of regional and urban dialects in English. Special attention will be paid to sociolinguistic motivations for change, variation and merger in dialects and languages in contact, and Black English. Offered: On demand.

3 hrs

ENGLISH 5551 **Shakespeare Comedies And Histories**

A study of Shakespeare's major comedies and history plays with special emphasis on his dramatic works before 1600. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5552 **Early English Drama**

English religious and secular drama prior to Shakespeare. Mystery and morality plays are studied with emphasis on their literary and social backgrounds. Close readings of such works as "Everyman", "The Wakefield Second Shepherd's Play" and "The Spanish Tragedy." Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5553 **Modern Drama 1880-1945**

A study of modern drama: Continental, British, and American, including history and development, critical theory, and literary evaluation. This course will focus on the earlier modern playwrights from Ibsen and Shaw, with special attention to naturalism. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5555 **Graduate Seminar**

See description ENGLISH 550. Course ENGLISH 555 covers the second halves of periods which naturally fall into two parts. May be repeated for credit.*

3 hrs

ENGLISH 5555 A **Graduate Seminar Medieval Literature II**

3 hrs

ENGLISH 5555 B **Graduate Seminar Renaissance Literature II**

3 hrs

ENGLISH 5555 C **Graduate Seminar Neo-Classical Literature I**

3 hrs

ENGLISH 5555 D **Graduate Seminar In 19Th Century Literature II**

3 hrs

ENGLISH 5555 E **Graduate Seminar American Literature II**

3 hrs

ENGLISH 5555 F **Graduate Seminar In Modern Literature II**

3 hrs

ENGLISH 5555 G **Graduate Seminar Literary Criticism**

3 hrs

ENGLISH 5555 H **Graduate Seminar Studies In Fiction II**

3 hrs

ENGLISH 5555 I **Graduate Seminar In Dramatic Literature II**

3 hrs

ENGLISH 5555 J **Graduate Seminar English Language**

3 hrs

ENGLISH 5555 K **Graduate Seminar In Creative Writing:Poetry**

3 hrs

ENGLISH 5555 M **Graduate Seminar: Composition**

3 hrs

ENGLISH 5555 N **Graduate Seminar: Prose Fiction**

3 hrs

ENGLISH 5556 **Studies In The Novel 1740-1900**

An intensive study of no more than three major novelists of the eighteenth or nineteenth century. The content of the course will change, depending on the instructor. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5560 **Special Topics**

The professor who gives this course determines what its content shall be. All aspects of English studies are within its possible range.

1-4 hrs

ENGLISH 5561 **Shakespeare-Tragedies And Romances**

A study of Shakespeare's major tragedies and late romances with special emphasis on his dramatic literature after 1600. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5562 **Restoration And 18Th Century Drama**

The drama after the restoration of the monarchy and the reopening of the theatres through the 18th-century. Special emphasis is placed on the comedy of manners and the heroic drama in the Restoration and the sentimental comedy in the 18th-century. Includes such playwrights as Dryden, Congreve, Etherege, Wycherley, Steele, Lillo, Cumberland, Sheridan, and Goldsmith. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5563 **Contemporary Drama**

A study of contemporary drama: Continental, British, and American, including history and development, critical theory and literary evaluation. This course will focus on the more recent writers, including the absurdists, with special attention to experimental drama. This course is a continuation of ENGLISH 453. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5565 **Studies In Modern Novel**

An intensive study of no more than three major twentieth century novelists. The content of the course will change depending on the instructor. Students will make in-class presentations and submit papers requiring research and bibliographical work.

3 hrs

ENGLISH 5566 CA **Cluster Course: Images Of The Human Body In Renaissance**

Focusing on Renaissance conceptions of the human body, this cluster treats the following topics as they are reflected in Renaissance literature, art, astrology, astronomy, biology, anatomy, medicine, and politics: A) The dignity of the human body B) Microcosm and macrocsm C) The human body and the heavens D) Stranger manifestations: freaks and beasts E) The humors F) Disorders of the human body G) The body politic H) The human body as an object of study

3 hrs

ENGLISH 5566 CF **Courts And Culture In The Middle Ages**

This cluster course offers an interdisciplinary approach to the study of the Middle Ages, focusing on medieval cultures in Europe. Arranged around a series of themes, the cluster will read a variety of documentary and literary texts to investigate not only the "high culture" of the courts but also the interactions of people from various social backgrounds in Western Europe.Cross listed with FRN-LNG 500CF and HISTORY 500CF.

3 hrs

ENGLISH 5591 **Research In Selected Fields**

Individual study under the direction of a senior member of the department, leading to the writing of a formal or scholarly paper. Enrollment through approval forms in English Department. May be repeated for credit.

1-3 hrs

ENGLISH 5599 **Research And Thesis**

A student, with permission of the graduate committee, may write a thesis for 3 hours credit.

1-9 hrs

ENGLISH 5600 **Introduction To Doctoral Study In English**

Introduction to research skills necessary for doctoral work, particularly for writing the thesis; attention will be paid both to traditional skills such as bibliography and to computer skills.

3 hrs

ENGLISH 5650 **Doctoral Seminar**

3 hrs

ENGLISH 5691 **Doctoral Research In Selected Fields**

Individual study under the direction of a senior member of the department leading to the writing of a formal or scholarly paper. May be repeated for credit.

3 hrs

ENGLISH 5699 **Research And Dissertation**

Research and preparation for doctoral dissertation.

1-15 hrs

ENGLISH 5899 **Required Graduate Enrollment**

1 hr

FOREIGN LANGUAGE

FRN-LNG 5899 **Required Graduate Enrollment**

1 hr

FRENCH

FRENCH 5500 CF **Courts and Culture in the Middle Ages**

This cluster course offers an interdisciplinary approach to the study of the Middle Ages, Focusing on medieval cultures in Europe. Arranged around a series of themes, the cluster will read a variety of documentary and literary texts to investigate not only the "high culture" of the courts but also the interaction of people from various social backgrounds in Western Europe.Prerequisites: admission to the graduate program in Romance Languages or permission of the instructor.

3 hrs

FRENCH 5512 **17th-century French Literature**

Selected readings in the literature of the 17th century, with an emphasis on non-dramatic works. Also offered as FRENCH 412. Prerequisites" Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5513 **18th-century French Literature**

Emphasis on philosophical and social significance. Authors may include Marivaux, Beaumarchais, LeSage, L'Abbe Prevost, Montesquieu, Rousseau, Diderot. Also offered as FRENCH 413. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5514 MEDIEVAL LITERATURE

Selected readings in various genres including epic, romance, theater and lyric. Emphasis will be placed on the intertextual relations and the cultural and historical context surrounding text production in the Middle Ages. Also offered as FRENCH 414. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5517 16TH-CENTURY FRENCH LITERATURE

Selected readings in prose and poetry from Marot through Astree. Authors may include Rabelais, Ronsard, du Bellay, Montaigne, Marguerite de Navarre. Also offered as FRENCH 417

3 hrs

FRENCH 5520 NON-DRAMATIC 17TH-CENTURY FRENCH LITERATURE

Evaluation and reading of the works of Malherbe and contemporaries, of Descartes and Pascal and contemporaries, and of the great authors at the height of the classical period.

3 hrs

FRENCH 5524 19TH-CENTURY FRENCH LITERATURE

Selected readings in various genres from Romanticism through symbolism. Also offered as FRENCH 424.

3 hrs

FRENCH 5526 20TH-CENTURY FRENCH LITERATURE

Selected readings from the Belle Epoque to the contemporary period. Also offered as FRENCH 426.

3 hrs

FRENCH 5540 MEDIEVAL ROMANCE

The various movements of French medieval romance from the 12th through 15th centuries with an emphasis on the 12th and 13th centuries. Analysis of literary technique and socio-historical context will be stressed. No knowledge of Old French is assumed. Also offered as FRENCH 440. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5544 RENAISSANCE POETRY

French Poetry from the Grand Rhetoriqueurs through the Pleiade. Study of poetic forms, major poets and schools, and different approaches to analyzing poetry. Also offered as FRENCH 444. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5545 EPISTOLARITY AND THE NOVEL

Explorations of the genre through the analysis of 17th- and 18th- century French novels. Introduced by a theoretical review. Also offered as FRENCH 445. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5546 17TH-CENTURY FRENCH DRAMA

The classical period: Emphasis on Corneille, Racine and Moliere. Also offered as FRENCH 446. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5547 19TH-CENTURY FRENCH POETRY

The study of the poetry and dominant poetic movements of the 19th century, with special attention given to different approaches to its analysis. Also offered as FRENCH 447. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5548 20TH CENTURY FRENCH THEATER

Analysis of major currents of French theater of the 20th Century, with emphasis upon the postwar period and its movements. Also offered as FRENCH 448.

3 hrs

FRENCH 5552 MEDIEVAL POETRY

A study of medieval poetry including religious and secular poetry, Provencal and Old French lyric, the influence of poetry in other genres such as romance and theater, later medieval poetry of the 14th and 15th centuries, as well as a discussion of the origins of the lyric. Also offered as FRENCH 452. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5554 THE INTELLECTUAL ORIGINS OF THE FRENCH REVOLUTION

Study of philosophical and political texts by Montesquieu, Rousseau, Voltaire, Diderot, etc. on government, society, language, freedom and equality. Critical study of the Enlightenment. Also offered as FRENCH 454. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5555 FIN-DE-SIECLE AND BELLE EPOQUE

Study of the literary, cultural and historical context of this time period in French history, for example: Symbolism, Decadence, and the years 1900-1914. Also offered as FRENCH 455. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5556 20TH-CENTURY FRENCH POETRY

The study of 20th-century poetry with special consideration given to different approaches to its analysis. Also offered as FRENCH 456. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5561 20TH CENTURY FRENCH NARRATIVE

The analysis of major currents in French 20th-century narrative, especially fiction and film. Courses will be organized around narrative themes or historical events and will include social and cultural components. Also offered as FRENCH 461. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5563 19TH-CENTURY FRENCH FICTION

Studies in the birth, development, and variation of French Romanticism. Readings include de Stael, Senancour, Constant, Hugo, Stendhal and Merimee. The advent of realism and naturalism in France. Readings include Balzac, Flaubert, Daudet, De Maupassant, and Zola. Also offered as FRENCH 463. On demand.

3 hrs

FRENCH 5570 STUDIES IN CRITICAL THOUGHT

Various currents of 20th-century literary criticism and their political and historical contexts. Also offered as FRENCH 470. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5571 AUTOBIOGRAPHY

Analysis of autobiographies and autobiographical texts such as diaries and memoirs together with theoretical texts on the genre. The concentration of different periods or issues may change from semester to semester, i.e. the art of autobiography as practiced by 20th-century writers, especially women. Also offered as FRENCH 471. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5572 FRANCOPHONE STUDIES

Study of different national Francophone literatures. Reading may include writers from Quebec, Haiti, Africa, Louisiana, Vietnam, the French Indies, etc. Also offered as FRENCH 472. Prerequisites: Admission to M.A. in Romance Languages and Literature program or permission of instructor.

3 hrs

FRENCH 5580 SPECIAL TOPICS

Treatment of a particular genre or area of literature or language normally not offered through regular courses. May be repeated for credit when the topic changes. Prerequisite: Permission of the instructor. On demand.

1-3 hrs

FRENCH 5590 DIRECTED STUDIES IN FRENCH LITERATURE

Intensive readings in a field or literary figure to be selected by the student in consultation with the instructor. Available by permission of graduate adviser or instructor, as appropriate, only when student cannot take regularly scheduled courses.

1-3 hrs

GEOGRAPHY

GEOG 5502 ENVIRONMENTAL REMOTE SENSING AND DIGITAL IMAGE ANALYSIS

This course will provide students with innovative techniques for landscape-level environmental analysis, geographic and geological studies, earth science research, and environmental resources management using remotely sensed data including satellite images. Students will be taught basic remote sensing concepts and technical skills, including energy radiative transfer processes, in remote sensing, sensors and resolutions, computer-based image processing and classification, and remote sensing/GIS integration. Prerequisite: GEOG 203 or permission of instructor

4 hrs

GEOG 5503 WI **History And Philosophy Of Geoscience**

A survey of geoscientific thought since antiquity. The substance of geography will be sought primarily in scholarly treatises, formal analytical systems, and cartography, but the course also addresses geographical principles emerging from the history of such matters as government, law economy, religion, and material culture. Readings, lectures, discussions, research, writing. Prerequisite: Baccalaureate degree or permission of the instructor. On demand. Also offered as GEOG 403WI. Prerequisites: Baccalaureate degree or permission of instructor

3 hrs

GEOG 5504 **Biogeography And Landscape Ecology**

Principles and applications of biogeography and landscape ecology, emphasizing distribution of major ecosystems and related plants and animal species on earth, biodiversity, landscape patterns and processes, and physical, biological, and human interactions. The course explores ecosystem and landscape analyses using advanced GIS, remote sensing, and spatial modeling methods for real problem solving in environmental and biological research, ecosystem conservation, and urban planning and studies. Prerequisites: GEOG 203, GEOG 402 / GEOG 5502, or permission of instructor.

3 hrs

GEOG 5506 **Global Environmental Change**

This course will examine the current rates of global environmental change and potential causes in the context of Earth's natural climate variability. The course will follow a seminar format. Students will read and discuss published articles on current and emerging theories of forcing mechanisms in the Earth's systems. Additional in-depth research and written evaluation are required for graduate credit. Prerequistes: None

3 hrs

GEOG 5507 **Advanced Geographic Information Science**

Prerequisite: GEOG 203 or permission of instructor Offered: On Demand

3 hrs

GEOG 5509 **Urban Geography**

Historical development, morphology and functions of urban places, including intercity relationships and the relationship between cities and their hinterlands; emphasis on American cities. Students will complete a series of reports and a term paper. Offered: On Demand

3 hrs

GEOG 5510 **Landscape, Language, Literature, And Law**

An examination of the geographic underpinnings and implications of languages, literatures, and jurisprudence. The course explores languages' historic rootedness in the interactions between human beings and their surroundings; the varying geographic expressiveness and discrimination of languages; the effect and significance of literary evocations of landscapes; and the cultural and environmental geographic content of the language of law. Readings, lectures, discussions, writing. Prerequisite: Permission of the instructor. Offered: On demand. Also offered as GEOG 410.

3 hrs

GEOG 5515 **History And Philosophy Of Cartography**

An examination of the techniques, assumptions, psychology, and cultural implications of mapping from the Stone Age to the age of satellites and the computerized Geographic Information System. Readings, lectures, discussions, writing. Prerequisite: Baccalaureate degree or permission of the instructor. Offered: On demand. Also offered as GEOG 415.

3 hrs

GEOG 5526 **Paleoecology: Microfossils And Climate Change**

Paleoecology will focus on questions addressing past environments and past climates based on the ecology of microfossils. Micro-organisms are very sensitive to a wide variety of environmental conditions including temperature, precipitation, hydrology, water chemistry, salinity, habitat, and pollution. The fossil remains of these organisms are used as proxy indicators for reconstructiong past environmental conditions, climate change, vegetation dynamics, and human impacts. Students will have the opportunity to process microfossils and make interpretations based on analysis of data. Offered: Every other Fall Prerequisite: Permission of Instructor

3 hrs

GEOG 5530 **Location Theory**

An analysis and evaluation of the basic theories that have been developed to account for the spatial arrangements of economic activity. Emphasis on urban areas as nodes of economic interaction. Three hours lecture and discussion per week. Prerequisite: GEOG 311 and six hours in economics or urban studies. On demand.

3 hrs

GEOG 5535 **Geoarchaeology**

This course examines geomorphological and archaeological methods used in reconstructing sites, settlement patterns, and paleo-environments; evaluating archeological site integrity; and assessing the impact of development, with the emphasis on geomorphological evidence. Prerequisite: Physical Geography/ Earth Science; Geomorphology; or permission of instructor. No archaeological background necessary. On demand. Also offered as GEOG 435.

3 hrs

GEOG 5542 **Quaternary Environments**

This course reviews earth climatic history and focuses on major mechanisms for global and regional climate change. Methods of paleoclimatic reconstruction are examined, including analysis of proxy data and climate modeling. Application of these methods toward prediction of future climate change is also explored. On demand. Also offered as GEOG 442.

3 hrs

GEOG 5544 GEO-COMPUTATION METHODS FOR EARTH AND ENVIRONMENTAL SCIENCES

This course will focus on advanced computation methods for the analysis and modeling of complex and often non-deterministic processes in the spatial and environmental sciences. Students will be introduced to innovative techniques for analyzing large datasets with attribute spaces of very high dimensionality, including hyper-spectral remote sensing data. Prerequisites: GEOG 402 or permission of instructor.

3 hrs

GEOG 5548 SATELLITE CLIMATOLOGY

Use of satellite observations to study the climate system. Discussions consider the development of satellite climatology, sensors, platforms and methodologies use to estimate climate variables from radiance measurements. Aspects of climate that are emphasized include cloud climatologies, cloud systems, atmospheric moisture, radiation budget, and land-surface conditions. Prerequisites: GEOG 315 or permission of instructor. Offered: Every other Fall

3 hrs

GEOG 5595 GRADUATE SEMINAR IN GEOSCIENCES I

An introduction to graduate research in the Dept. of Geosciences. Students will attend lectures by faculty and become familiar with research techniques, equipment, and thesis opportunities. Prerequisites: Baccalaureate Offered: Every Fall

1 hr

GEOG 5597 GRADUATE SEMINAR IN GEOSCIENCES II

Graduate students in the Geosciences Department will explore the different components of a research project through readings, lectures, writing, and oral presentations. Offered: Winter

1-3 hrs

GEOG 5598 SPECIAL TOPICS IN GEOGRAPHY

Advanced independent research in Cultural or Physical Geography. Prerequisite: Baccalaureate. By arrangement with instructor.

1-3 hrs

GEOG 5598 A SPECIAL TOPICS IN CULTURAL GEOGRAPHY

Advanced independent research in Cultural Geography. Prerequisite: Baccalaureate. By arrangement with instructor.

1-3 hrs

GEOG 5598 B SPECIAL TOPICS IN PHYSICAL GEOGRAPHY

Advanced independent research in Physical Geography. Prerequisite: Baccalaureate. By arrangement with instructor.

1-3 hrs

GEOG 5598 D SPECIAL TOPICS IN ADVANCED GIS AND REMOTE SENSING

Advanced independent reserch in geographic information science (GIS) and remote sensing. Offered: On Demand Prerequisite: Permission of instructor

1-3 hrs

GEOG 5598 F SPECIAL TOPICS: GEOSTATISTICS AND MODELING

Advanced independent research in geostatistics and modeling techniques. Offered: On Demand Prerequisites: Permission of instructor

1-3 hrs

GEOG 5598 K ISSUES IN WASTE MANAGEMENT

This course focuses on the critical problems of managing the waste materials generated in our society. The course includes discussion of various types of waste-municipal solid waste, hazardous (industrial) waste, nuclear and medical wastes. Sources, handling, storage, transportation, treatment and disposal of these wastes are reviewed. Experts from government and the waste management industry give guest lectures. Prerequisites: None. Offered: Fall & Winter.

1 hr

GEOG 5599 RESEARCH AND THESIS GEOGRAPHY

Students will conduct research and writing in support of a thesis topic, which will have been approved in advance by the appropriate graduate advisory committee. Credit load will also be approved in advance by the student's graduate advisor. Offered: On Demand Prerequisite: Baccalaureate

1-9 hrs

GEOG 5690 SPECIAL RESEARCH TOPICS

Student will produce a major research paper suitable for publication under the direction of their instructor.

1-3 hrs

GEOG 5699 R RESEARCH AND DISSERTATION

Research for dissertation in partial fulfillment of the Geosciences requirements for the Ph.D. degree.

1-10 hrs

GEOLOGY

GEOLOGY 5512 GEOLOGY AND HAZARDOUS WASTE MANAGEMENT

Nature, sources and characterization of hazardous waste; collection, transportation and disposal of hazardous wastes. Fundamentals of toxicology and risk assessment. Application of geologic principles and methods in the assessments and remediation of abandoned hazardous waste sites and contaminated aquifers. Review of selected case histories. Experts from government and private organizations will be invited to deliver guest lectures. An out-of-town field trip to a hazardous waste site is required. A term paper based on library research or an approved experimental project is required for graduate credit. Pre-requisites: GEOLOGY 325, GEOLOGY342 & GEOLOGY 350 or permission of the instructor.

3 hrs

GEOLOGY 5525 QUATERNARY GEOLOGY

The study of Quaternary processes, surficial deposits, and land forms. Course content will cover both the glaciated and nonglaciated portions of the United States as well as the interrelations between Quaternary geology and urbanization. Three hour lecture. Field trips. Prerequisite: GEOLOGY 314, baccalaureate degree in geology or permission of the instructor.

3 hrs

GEOLOGY 5531 X-RAY DIFFRACTION AND FLUORESCENCE METHODS: X-RAY MTHDS GEOL/ANLY

Theory and practical application of x-ray diffraction and fluorescence methods in characterizing geologic materials. Prerequisite: GEOLOGY 312 or consent of instructor. Two hours lecture and one 2-hour lab per week for 8 weeks.

2 hrs

GEOLOGY 5532 ICPMS APPLICATIONS IN GEOLOGY

Theory and practical application of Inductively-Coupled Plasma Mass Spectrometry in the geosciences and environmental sciences. Prerequisite: GEOLOGY 312 or consent of instructor. Two hours lecture and discussion, and one 2-hour lab per week for 8 weeks.

2 hrs

GEOLOGY 5534 HAZARDOUS WASTE OPERATION MANAGEMENT

Overview of federal regulations dealing with hazardous waste management, toxicology, hazard communication, site management, air monitoring, operating procedures, and health and safety. The course includes hands-on training on spill control, equipment use and emergency use and emergency response. Practical training involves physical stress and participants must be in good physical health. This course satisfies OSHA's 40 hour training requirement for hazardous waste personel. Prerequisites: GEOG 335 / GEOLOGY 335 or permission of instructor. Offered: Every Summer

2 hrs

GEOLOGY 5535 AQUEOUS GEOCHEMISTRY

This course is directed to two objectives. First it will equip the students with a basic understanding of the geochemical principles and calculations which are directly related to environmental problems and second, it will provide the student with a basic understanding of specific problem areas in environmental geochemistry. Prerequisites: CHEM 211 and CHEM 212 or equivalents. Baccalaureate degree in geology or permission of the instructor. Offered: On demand.

3 hrs

GEOLOGY 5541 SEISMIC AND POTENTIAL FIELD METHODS IN ENVIRONMENTAL GEOPHYSICS

(3) Fundamental theory and near-surface applications of the geophysical methods; (1) seismic refraction, (2) seismic reflection, (3) gravity, and (4) magnetics. Emphasis will be placed on the use of these methods in environmental and engineering investigations, addressing such issues as water resources, contaminant transport, geotechnical properties and archaelogical protection. Course will include a field component illustrating application of selected techniques to a local environmental problem. Prerequisites: Baccalaureate degree in Geology or permission of instructor. Offered: Fall

3 hrs

GEOLOGY 5542 ELECTRICAL METHODS IN ENVIRONMENTAL GEOPHYSICS

(3) Fundamental theory and near-surface applications of the electrical geophysical methods; (1) electrical resistivity, (2) electromagnetics, (3) ground penetrating radar, and (4) induced polarization. Emphasis will be placed on the use of these methods in environmental and engineering investigations, addressing such issues as water resources, contaminant transport, geotechnical properties and archaeological protection. Course will include a field component illustrating application of selected techniques to a local environmental problem. Prerequisites: Baccalaureate degree in Geology or permission of instructor.

3 hrs

GEOLOGY 5551 GEOTECHNICS

Integration of the basic principles and concepts from material sciences, rock and soil mechanics, and civil engineering. Mechanical properties, geologic aspects and engineering classifications of earth materials and the effects of physical forces on their engineering behavior will be emphasized. Three hours of lecture and two hours of laboratory each week. Field trips. Prerequisite: PHYSICS 210, PHYSICS 220,PHYSICS 230, GEOLOGY 350 or permission of the instructor.

4 hrs

GEOLOGY 5555 ENVIRONMENTAL IMPACT ANALYSIS

A systematic analysis of the spectrum of environmental changes related to human use and occupancy in urban settings. Study of the nature of activities such as industrialization, mining, urbanization and transportation, and their effect on the specific site and general region. Methods of measuring aesthetic and economic quality of the urban areas will be explored in an attempt to facilitate writing environmental impact statements. Prerequisites: Baccalaureate degree in geology or permission of the instructor.

3 hrs

GEOLOGY 5559 INQUIRY-BASED FIELD STUDIES FOR TEACHERS

Inquiry-based studies in environmental science, environmental chemistry and geology involving collaborations between course participants, practicing scientists and professional educators. The course is designed especially for pre- and in-service teachers of all levels and contact areas to enhance critical thinking, problem solving and process skills as defined by state and national standards. Projects will balance field and lab studies with analysis and presentation of results through electronic, oral and written means. Prerequisites: Permission of instructor. Offered: On demand

3-6 hrs

GEOLOGY 5561 GEOLOGIC MAPPING

Analysis of the stratigraphic section in the greater Kansas City area by field investigation. Compilation of descriptive data and the construction of detailed geologic maps. Practical problems to determine the most beneficial use of the land in an area that is rapidly becoming urbanized. Prerequisite: Baccalaureate degree in geology or permission of the instructor. Previous field mapping experience highly recommended.

3 hrs

GEOLOGY 5570 HYDROGEOLOGY

Geology and hydrologic factors controlling the occurrence, movement, quality, recovery and development of water supply and distribution. Problems relating to urbanization of flood plains. Prerequisite: Baccalaureate degree in Geology or permission of the instructor.

3 hrs

GEOLOGY 5571 TECTONICS

A detailed inquiry into plate tectonics and the geophysical and geological data that define the motion of lithospheric plates. Global examples of divergent, convergent, and transform plate boundaries will be studied through lectures, discussions, problem sets, and term papers. Prerequisite: GEOLOGY 325 and GEOLOGY350. Offered: On demand.

3 hrs

GEOLOGY 5572 EARTHQUAKE GEOLOGY

This course is detailed inquiry into the study of present and past earthquakes as they are preserved in the seismological, geophysical, and geological record. Global examples of earthquakes will be studied through lectures, discussions, problem sets,term papers, field trips and field projects. Prerequisite: GEOLOGY 350 or permission of the instructor. Offered: On demand.

3 hrs

GEOLOGY 5595 GRADUATE SEMINAR IN GEOSCIENCES I

An introduction to graduate research in the Dept. of Geosciences. Students will attend lectures by faculty and become familiar with research techniques, equipment, and thesis opportunities. Offered: Every Fall Prerequisite: Baccalaureate

1 hr

GEOLOGY 5597 GRADUATE SEMINAR IN GEOSCIENCES II

Graduate students in the Geosciences Department will explore the different components of a research project through readings, lectures, writing, and oral presentations. Offered: Winter Semester Prerequisites: Baccalaureate

1-3 hrs

GEOLOGY 5598 SPECIAL TOPICS IN URBAN ENVIRONMENTAL GEOLOGY

Individual research into practical geoscience problems in the urban environment. Provides opportunity for individual research in applied geology. Topic and method to be established by student and academic supervisor prior to enrollment. Instructor: By arrangement.

1-3 hrs

GEOLOGY 5598 A SPECIAL TOPICS IN URBAN ENVIRONMENTAL GEOLOGY: PETROLEUM GEOLOGY

1-3 hrs

GEOLOGY 5598 B SPEC TOPICS IN URBAN ENVIRONMENTAL GEOLOGY: SOIL/ROCK MECHANICS

1-3 hrs

GEOLOGY 5598 C SP TOPICS IN URBAN ENVIRONMENTAL GEOL: STRATIGRAPHY/PALEONTOLOGY

1-3 hrs

GEOLOGY 5598 D SPEC TOPICS IN URBAN ENVIRONMENTAL GEOLOGY-ENVIRONMENTAL GEOLOGY

1-3 hrs

GEOLOGY 5598 E SPECIAL TOPICS IN ENERGY AND MINERAL RESOURCES

This course provides students an opportunity for advanced independent research in energy and mineral resources. Prerequisite: Permission of instructor

1-3 hrs

GEOLOGY 5598 H **Special Topics In Urban Environmental Geology - Geochemistry**

1-3 hrs

GEOLOGY 5598 I **Special Topics In Urban Environmental Geology**

1-3 hrs

GEOLOGY 5598 J **Special Topics In Urban Environmental Geology: Environmental Sci**

1-3 hrs

GEOLOGY 5598 K **Issues In Waste Management**

This course focuses on the critical problems of managing the waste materials generated in our society. The course includes discussion of various types of waste-municipal solid waste, hazardous (industrial) waste, nuclear and medical wastes. Sources, handling, storage, transportation, treatment and disposal of these wastes are reviewed. Experts from government and the waste management industry give guest lectures. Prerequisites: None. Offered: Fall & Winter.

1 hr

GEOLOGY 5598 M **Special Topics In Geostatistics And Modeling**

Advanced independent research in geostatistics and modeling techniques. Prerequisite: Permission of instructor Offered: On demand

1-3 hrs

GEOLOGY 5599 **Research And Thesis: Geology**

Individual directed research by the student leading to the preparation of a formal written thesis and oral defense. Instructor: By arrangement.

1-9 hrs

GEOLOGY 5690 **Special Research Topics**

Student will produce a major research paper suitable for publication under the direction of their instructor.

1-3 hrs

GEOLOGY 5699 R **Research And Dissertation**

Research for dissertation in partial fulfillment of the Geosciences requirements for the Ph.D. degree.

1-10 hrs

GEOLOGY 5899 **Required Graduate Enrollment**

1 hr

HISTORY

HISTORY 5500 CL **Cluster Course:Nordic Culture**

3 hrs

HISTORY 5500 CM **Cluster Course: Mexico, Central America And The Human Condition**

See course description for HISTORY 300CM.

3 hrs

HISTORY 5500 **Special Topics In History For Graduate Studies**

CP

1-3 hrs

HISTORY 5500 CY **Cluster Course: The Ancient World And The Cinema**

3 hrs

HISTORY 5500 **Special Studies History**

CZ

1-3 hrs

HISTORY 5500 SPECIAL TOPICS IN HISTORY FOR GRADUATE STUDIES

P

1-3 hrs

HISTORY 5500 R SPECIAL TOPICS IN HISTORY FOR GRADUATE STUDIES

See course description HISTORY 400.

1-3 hrs

HISTORY 5500 RC SPECIAL TOPICS IN HISTORY FOR GRADUATE STUDIES

1-3 hrs

HISTORY 5500 RD SPECIAL TOPICS IN HISTORY FOR GRADUATE STUDIES

1-3 hrs

HISTORY 5500 Z SPECIAL STUDIES: LABOR IN INDUSTRIAL AMERICA

This course examines the history of work and the working class in the U.S. from 1877 to the present. We will focus on the transformation of the workplace, the rise of the union movement, the nature of cultural and political organizations, workers' relationships with other social groups, and the role played by gender, race, and ethnicity in uniting or dividing the working class.

3 hrs

HISTORY 5501 A RELIGION IN AMERICA

An in-depth examination of selected aspects of the history of religions in America from the colonial period to the present. Special emphasis will be given to methodological issues in the study of American religious history. Offered: On Demand

3 hrs

HISTORY 5502 AMERICA,1000-1763: THE FORMATIVE ERA

Early American history emcompasses the formative era of many institutions and attitudes which still persist in present-day America. A study of how these patterns and policies emerged will enlighten us as to our current ways our society seeks to adapt to change.

3 hrs

HISTORY 5503 AMERICA, 1763-1783: THE REVOLUTIONARY HERITAGE

The American Revolution created American history by creating a new nation. What the American Revolution was depends to a large extent upon what Americans think they are or ought to be. The goals of this course, therefore, are twofold: (1) to probe the nature, causes and consequences of the American Revolution; (2) to assess the intentions and behavior of both the Framers of the Constitution in 1763-1783 and the inheritors of modern America.

3 hrs

HISTORY 5504 AMERICA, 1783-1828: THE NATIONAL EXPERIENCE

See course description HISTORY 304.

3 hrs

HISTORY 5505 AMERICA, 1828-1852: THE JACKSONIAN PERIOD

See course description HISTORY 305.

3 hrs

HISTORY 5506 AMERICA, 1850-1877: CIVIL WAR AND RECONSTRUCTION

See course description HISTORY 306.

3 hrs

HISTORY 5507 AMERICA 1877-1917: DEVELOPMENT OF INDUSTRIAL AMERICA

See course description HISTORY 307.

3 hrs

HISTORY 5508 A AMERICA 1914-1945: THE ERA OF THE WORLD WARS

See course description for HISTORY 308B.

3 hrs

HISTORY 5508 B AMERICA 1945-PRESENT: OUR TIMES

See course description for HISTORY 308B.

3 hrs

HISTORY 5511 MEDIEVAL CIVILIZATION I

See course description HISTORY 411.

3 hrs

HISTORY 5512 MEDIEVAL CIVILIZATION II

See course description HISTORY 412R.

3 hrs

HISTORY 5512 A WOMEN AND FAMILY IN MEDIEVAL AND EARLY

This course explores the roles of women in the social, economic, political, and cultural environments of medieval and early modern Europe. We examine the lives of women in all areas of life, from the ordinary to the extraordinary, in urban and rural environments, from the centers of religious and political power to the margins of society. Focus will be on the world of work for urban and peasant women and on the social and legal institutions of marriage, kinship, and the family. The course makes extensive use of primary source by and about women during this period.

3 hrs

HISTORY 5512 B THE BLACK DEATH AND LATE MEDIEVAL SOCIETY

This course examines all aspects of late medieval and early Renaissance society in Western Europe. The Back Death of 1348/1349 serves as the entry point into the historical study of the economy, demography, and culture during this transitional period.

3 hrs

HISTORY 5513 RENAISSANCE

See course description HISTORY 413.

3 hrs

HISTORY 5514 REFORMATION

See course description HISTORY 414.

3 hrs

HISTORY 5515 B 17TH AND 18TH CENTURY EUROPEAN HISTORY

This course is designed to present the upper-division undergraduate with a firm grasp of the major intellectual, cultural, political and economic development of 17th and 18th century Europe. It considers the bitter Thirty Years War in Century Europe, the rise of the Netherlands, the fall of Italy and Spain, the rise of constitutional and absolutist styles of government, the scientific revolution, the colonization by Europeans of the Pacific and Indian Ocean Basins, Enlightenment political philosophy, the Agricultural Revolution, and the French Revolution. Also offered for undergraduates as 415B. Graduate students will be held to a higher standard in terms of additional, in-depth historiographic research, writing, and discussion.

3 hrs

HISTORY 5516 THE FRENCH REVOLUTION AND NAPOLEON

See course description HISTORY 416R. Fall.

3 hrs

HISTORY 5517 19TH CENTURY EUROPEAN HISTORY

This upper-division course will survey significant trends in warfare, politics, economics, social relations and culture in 19th century Europe, paying particular attention to the rise of modern ideologies and identities, world hegemony, and the social technologies of dehumanization that foreshadowed the unprecedented imhumanities of the 20th century. Also offered for undergraduates as HISTORY 417R. Graduates will be held to a higher standard in terms of additional, in-depth historiographic research, writing, and discussion.

3 hrs

HISTORY 5518 20TH CENTURY EUROPEAN HISTORY

This upper-division course traces the history of Europe in the 20th century. It will survey significant trends in warfare, politics, economics, social relations and culture, paying particular attention to the issues of modernity and postmodernity, imperialsim and decolonization, dehumanization and genocide as well as the role of ordinary people in these systems of mass destruction. Also offered for undergraduates as HISTORY 418R. Graduate students will be held to a higher standard in terms of additional, in-depth historiographic research, writing, and discussion.

3 hrs

HISTORY 5519 CONTEMPORARY EUROPEAN HISTORY: 1950-2000

This upper-division course traces the history of Europe in the period of living memory. It will survey significant trends in warfare, politics, economics social relations and culture, paying particular attention to the rise of globalization and the condition of postmodernity, decolonization and neo-colonization, European unification and everyday life. Also offered for undergraduates as HISTORY 419R. Graduate students will be held to a higher standard in terms of additional, in-depth historiographic research, writing, and discussion.

3 hrs

HISTORY 5523 SOCIAL HISTORY OF RECENT AMERICA

See course description HISTORY 323R.

3 hrs

HISTORY 5525 R EUROPEAN CRIMINAL JUSTICE HISTORY, 500-1900

This course will survey European crime, criminal procedure, policing and punishment between 500 and 1900. Particular attention will be given to changing methods of proof (oaths, ordeals, juries); changing type of criminal activity (banditry, vagrancy, witchcraft, professional theft) and changing penal strategies (the stocks, breaking on the wheel, the workhouse, the prison, the penitentiary). English experiences are emphasized.

3 hrs

HISTORY 5526 R THE SCIENTIFIC REVOLUTION 1500-1700

See course description HISTORY 426R.

3 hrs

HISTORY 5527 THE DARWINIAN REVOLUTION, 1650-1900

See course description HISTORY 427R.

3 hrs

HISTORY 5528 A HISTORY OF THE BODY

This advanced course will explore the new field of the history of the body, with particular attention to sexuality and gender. Topics will include the history of sexualities, the body and society, body disciplines, medical practices and representations of illness, beauty, and fashion, and the relationship between sexualities and nationalisms.

3 hrs

HISTORY 5528 B WOMEN & MEDICINE:PATIENTS & PRACTITIONERS FROM ANTIQUITY-PRESENT

This course explores, in a selective fashion, the role of women in Western Medicine both as health care providers and patients. The subject of the history of medicine is too broad to be covered comprehensively in a semester, and so we will focus on diseases or physical conditions which were believed to be limited to women-childbirth, certain mental health conditions, reproductive health, breast cancer-as well as the increasing marginalization of women within the profession of health care providers to those branches concerned primarily with "women's problems."

3 hrs

HISTORY 5530 THE ORDEAL OF TOTAL WAR EUROPE,1900- 1950

This upper-division course traces the history of Europe-on its own and in its relations to the rest of the world from its use of genocide "beyond" its shores to its systematic application in Europe. It will survey significant trends in warfare, politics, economics, social relations and culture, paying particcular attention to the causes for war and the expansion of violence, modernization and modernity, democracy and totalitarianism, colonization and resistance, mass destruction and everyday life. Also offered for undergraduates as 43.0. Graduate students will be held to a higher standard in terms of additional, in-depth historiographic research, writing, and discussion.

3 hrs

HISTORY 5531 MEDIEVAL ENGLAND, 1066 TO 1485

See course description HISTORY 431R.

3 hrs

HISTORY 5532 TUDOR-ENGLAND, 1485-1688

This course covers the history of England from the accession of Henry VII in 1485 to the crowning of William and Mary in the Glorious Revolution. Its main emphasis is the Tudor dynasty 1485-1603 with special reference to the transformation of England into a modern state, Re-Reformation, the role of Parliament, etc. The course concludes with the major characteristics of the early Stuart period.

3 hrs

HISTORY 5533 MODERN BRITAIN, 1603-PRESENT

This course examines the rise and fall of the Stuart dynasty and the effects of civil war, rebellion, and religious turmoil on the peoples of Britain. Next, the establishment of Cabinet government in the eighteenth century, and the loss of the American colonies will be discussed. The dramatic transformation of Britain from a largely isolated and agricultural society to an urban and the industrial one, will be analyzed with particular reference to class, race, and gender. Finally, the role of Britain in both world wars will be considered along with the institution of the welfare state and the transformation of Britain from a world power to a member of the European community of states.

3 hrs

HISTORY 5535 R EARLY MODERN GERMAN HISTORY: 1640-1890

This course traces the emergence specific, centralized nationstates and empires as well as a particular, industrial society in the 250 years since the Thirty-year's War. It introduces students to the national histories of Germany in order to help them think critically about national historiography in general. We will compare the many variations within Central Europe: Prussia/Austria/the Third Germany, city/town/village, state/ society, as well as differences of caste/class/gender/ sexuality/religion. All assigned readings will be in English; a background knowledge of European history is recommended. This course will be followed by HISTORY 536: the contents and assignments will be coordinated, but the former course is not a prerequisite for the latter.

3 hrs

HISTORY 5536 MODERN GERMAN HISTORY: 1890-1990

This course traces history of Central Europe from the fall of Bismarck to the reunification of Germany one century later. It will ask students to think critically about the relationship between state and society, elites and 'ordinary' Germans, in the various German-speaking regimes that existed over the course of this era: two empires, two interwar republics, two fascist dictatorships, and three post-fascist republics. All assigned readings will be in English; a background knowledge of European history is recommended. This course follows from HISTORY 435 HISTORY 535; the contents and assignments will be coordinated, but the former course is not a prerequisite for the latter.

3 hrs

HISTORY 5537 NAZI GERMANY

See course description HISTORY 437.

3 hrs

HISTORY 5544 ISLAM & THE ARABS: THE FORMATIVE PERIOD

See course description HISTORY 444R.

3 hrs

HISTORY 5545 THE OTTOMAN EMPIRE IN THE MIDDLE EAST TO WWI

See course description HISTORY 445.

3 hrs

HISTORY 5546 THE MIDDLE EAST FROM WORLD WAR I TO THE PRESENT

See course description HISTORY 446R.

3 hrs

HISTORY 5553 IMMIGRANTS AND IMMIGRATION IN AMERICAN HISTORY

See course description HISTORY 353.

3 hrs

HISTORY 5554 WOMEN IN MODERN AMERICA

See course description HISTORY 354R.

3 hrs

HISTORY 5555 A INDIANS OF SOUTH AMERICA AND THE EUROPEAN INVASION

See course description HISTORY 355A.

3 hrs

HISTORY 5555 BA INDIANS OF NORTH AMERICA TO 1789

The history of the native peoples of North America from their origins to the era of the American Revolution. Prerequisite: None. Offered: Fall.

3 hrs

HISTORY 5555 BB INDIANS OF NORTH AMERICA SINCE 1789

The history of the native people of North America (Indians and Inuit) and their interaction with the European invaders since 1789. This course is the sequel to HISTORY 555BA, Indians of North America to 1789. Prerequisite: None. Offered: Winter.

3 hrs

HISTORY 5556 RISE OF THE CITY IN THE U.S.

See course description HISTORY 356.

3 hrs

HISTORY 5556 R KANSAS CITY: HISTORY OF A REGIONAL METROPOLIS

See course description HISTORY 356R.

3 hrs

HISTORY 5557 THE AMERICAN WEST

See course description for HISTORY 357.

3 hrs

HISTORY 5558 R HISTORY OF THE AMERICAN SOUTH

See course description for HISTORY 358R.

3 hrs

HISTORY 5559 R **THE CONFEDERACY AND THE MYTH OF THE LOST CAUSE**

See course description for HISTORY 359R.

3 hrs

HISTORY 5561 R **AMERICAN FOREIGN RELATIONS**

See course description for HISTORY 361.

3 hrs

HISTORY 5562 J **JAPANESE CIVILIZATION**

A survey of Japanese civilization and cultural history from the prehistorical period to the present. Emphasis on the interplay between religion, the arts, politics, and social structure.

3 hrs

HISTORY 5563 R **MILITARY HISTORY OF THE U.S.**

See course description for HISTORY 363.

3 hrs

HISTORY 5566 R **AMERICAN ECONOMIC HISTORY SINCE 1865**

The course deals with the emergence of Industrial America since 1865. It will cover the rise to dominance of the large modern corporation, with the problem of economic and social instability and stability, with the rise of trade associations, cartels, and government regulation in an unstable economy, and with the evolution of American economic policy and national economic planning. This course is the same as ECON 540r.

3 hrs

HISTORY 5566 RR **AMERICAN LABOR HISTORY**

This course examines the history of work and the working class in the U.S. from 1750 to the present. We will focus on the transformation of the workplace, the rise of the union movement, the nature of cultural and political organizations, workers' relationships with other social groups, and the role played by gender, race, and ethnicity in uniting or dividing the working class. Offered: On demand.

3 hrs

HISTORY 5567 RS **MYTH AND RITUAL**

"Myth" and "ritual" have long been fundamental categories in the study of religion. This course will briefly survey some of the major theories and approaches to the study of myth and ritual from the Enlightenment to the present. Will not only trace the shifting meanings of "myth" and "ritual," but will critically evaluate the utility of diverse approaches to the study of religious phenomena designated by these terms. Reading will include theoretical works, as well as selected case studies.

3 hrs

HISTORY 5570 **INTRODUCTION TO MATERIAL CULTURE**

See course description for HISTORY 370.

3 hrs

HISTORY 5570 R **ANCIENT EGYPT**

See course description for HISTORY 470.

3 hrs

HISTORY 5571 R **ANCIENT GREECE**

See course description for HISTORY 471.

3 hrs

HISTORY 5572 R **ANCIENT ROME**

See course description for HISTORY 472.

3 hrs

HISTORY 5573 R **HISTORY OF ASTRONOMY**

See course description for HISTORY 473.

3 hrs

HISTORY 5575 **ANCIENT ISRAEL**

Judaism has had a tremendous impact on our civilization and yet most Americans are only dimly aware of its origins and development. This course will trace the roots of the Jewish religion in its historical context from its beginning through the formation of rabbinic culture. The rise of Christianity will be examined in its original Judaic context, and recent discoveries, particularly those pertaining to the Dead Sea Scrolls, will be interpreted. Offered: Every Winter; or Every other Winter or Whenever HISTORY 475 is offered.

3 hrs

HISTORY 5575 R THE HISTORY OF ANCIENT ISRAEL

See course description for HISTORY 475.

3 hrs

HISTORY 5576 R MEDIEVAL JEWISH HISTORY

See course description for HISTORY 476.

3 hrs

HISTORY 5577 R MODERN JEWISH HISTORY

See course description for HISTORY 477.

3 hrs

HISTORY 5578 R THE HOLOCAUST AND THE STATE OF ISRAEL

See course description for HISTORY 478.

3 hrs

HISTORY 5581 RESEARCH METHODOLOGIES

An introduction to a variety of research tools and techniques including such topics as evidence, critical method, verification, bibliography, book review, computers, statistics, and archival methods.

3 hrs

HISTORY 5582 COLLOQUIUM IN AMERICAN HISTORY I

These courses are designed to acquaint the graduate student with the writings and theories of major American historians. Faculty lectures are combined with student bibliographical essays and the reading of important historical works in order to prepare the student for the final examination taken upon completion of M.A. course work. Books read in the course compose a large proportion of the departmental reading list. M.A. candidates in American history are required to take both courses. HISTORY 582 covers American history to 1865; HISTORY 583 covers the period since that date.

3 hrs

HISTORY 5583 COLLOQUIUM IN AMERICAN HISTORY II

These courses are designed to acquaint the graduate student with the writings and theories of major American historians. Faculty lectures are combined with student bibliographical essays and the reading of important historical works in order prepare the student for the final examination taken upon completion of M.A. course work. Books read in the course compose a large proportion of the departmental reading list. M.A. candidates in American History are required to take both courses. HISTORY 582 covers American History to 1865; HISTORY 583 covers the period since that date.

3 hrs

HISTORY 5584 PHILOSOPHY OF HISTORY

Reflecting the instructor's interests and familiarity with the subject, this course will treat the philosophy of history under two relatable forms: (1) the speculative systems of interpretation of world history from Voltaire, through Hegel and Marx to Spengler and Toynbee; and (2) the newer, critical approaches to history and historiography by historicist, analytic, and Marxist philosophers and historians of this past century, from Dilthey, through Collingwood and Ortega to Skinner and Braudel. Depending upon whether the instructor happens to be a specialist in European or in American History the emphasis of content during the course will be altered accordingly.

3 hrs

HISTORY 5585 COLLOQUIUM IN EUROPEAN HISTORY II

The European History Colloquium II will examine some of the crucial problems or watersheds in European history from the Reformation through the 20th century. The course seeks to provide an in-depth study of specific topics and of the associated bibliography.

3 hrs

HISTORY 5586 COLLOQUIUM IN WORLD HISTORY

The World History colloquium encompasses the major fields of World history, non-western history and Judaic studies. Course requirements include weekly discussions on specific topics and a research paper or project due by the end of the semester. The methodology and ideas relating to each field will be discussed in a comparative perspective. Content will vary according to the field of the instructor. This course may be repeated with the permission of the instructor.

3 hrs

HISTORY 5587 R RESEARCH SEMINAR

Students in this course will produce a major research paper under the direction of the instructor: a self-contained thesis chapter, an article for publication or the equivalent.

3 hrs

HISTORY 5587 RA **RESEARCH SEMINAR**

3 hrs

HISTORY 5587 RB **RESEARCH SEMINAR**

3 hrs

HISTORY 5591 **ARCHIVAL METHODS**

3 hrs

HISTORY 5592 **ARCHIVAL INTERNSHIP**

1-3 hrs

HISTORY 5593 **MUSEUM SCIENCE**

This course is designed to acquaint students with specific careers in museums and historical agencies; to introduce students to the wide range of operating issues facing those working in the museum profession on a day-to-day basis; and to familiarize students with the organizations, reference works and resources available to develop the skills and training required for those who choose to make this their profession.

3 hrs

HISTORY 5597 **NON-THESIS RESEARCH/READING**

Individual direction of student reading or research by selected, consenting faculty. This course can be taken only when faculty supervision is unavailable in colloquia or seminars.

1-6 hrs

HISTORY 5599 R **THESIS**

A contribution to knowledge based upon extensive research and reflective of careful analysis. Before writing a thesis, the student must clear the topic and research design with the Supervisory committee.

1-6 hrs

HISTORY 5680 **DOCTORAL COLLOQUIUM**

This course will examine the writings and theories of major historians in a particular field of history. The authors, works and intellectual currents which form the basis of the colloquium will vary from semester to semester, depending upon the professor's expertise and design for the course.

3 hrs

HISTORY 5687 **DOCTORAL RESEARCH SEMINAR**

Students in this course will produce a major research paper under the direction of the instructor. This shall consist of a self-contained chapter of the dissertation or a work of publishable quality. May be repeated for credit.

3 hrs

HISTORY 5687 RA **DOCTORAL RESEARCH SEMINAR**

Students in this course will produce a major research paper under the direction of the instructor. This shall consist of a self-contained chapter of the dissertation or a work of publishable quality. May be repeated for credit.

3 hrs

HISTORY 5687 RB **DOCTORAL RESEARCH SEMINAR**

Students in this course will produce a major research paper under the direction of the instructor. This shall consist of a self-contained chapter of the dissertation or a work of publishable quality. May be repeated for credit.

3 hrs

HISTORY 5697 **DOCTORAL-LEVEL INDEPENDENT READING**

Individual reading under the supervision of members of the History Doctoral Faculty in preparation for the Comprehensive Examination for the Ph.D.

1-6 hrs

HISTORY 5699 R **DISSERTATION**

Course credits in dissertation.

1-15 hrs

HISTORY 5899 **REQUIRED GRADUATE ENROLLMENT**

1 hr

PACE - Art and Art History PACE - Arts and Sciences

A&S 400 A **Special Readings/Topics**

B

1-6 hrs

A&S 400 D **Special Readings/Topics**

B

1-6 hrs

A&S 400 F **Special Readings/Topics**

B

1-6 hrs

A&S 400 G **Special Readings/Topics**

B

1-3 hrs

A&S 400 I **Special Topics**

P

1-6 hrs

PACE - Chemistry PACE - Communication and Information Technology

CIT 105 P **Foundations Of Computing And Problem Solving**

This course covers the fundamentals of computer use, problem solving, and programming. Specific topics include: the general use of micro and mainframe computers, algorithm design, the relation of algorithms to programs, the fundamentals of programming in the PASCAL language, and program debugging techniques. This course is presented only in a PACE program format. Prerequisite: Co-enrollment in MATH 110.

P

4 hrs

CIT 106 P **Computers: Their Uses And Impact**

This course covers the history of computing, concepts in and classes of computer hardware and software, classes of computer application, economic issues in the development of computer hardware and software products, and philosophical, social and legal issues in the use (and abuse) of computer technology. This course is presented only in a PACE program format.

P

4 hrs

CIT 310 P **Web Design & Development**

This three hour course, Web Design and Development, is designed to introduce the student to the Hyper Text Markup Language (HTML) and its use for the development of web pages. This course is offered online and no scheduled classroom attendance will be required. Correspondence through emails and the class forum is strongly encouraged. Prerequisite: COMP-SCI 105p or consent of instructor.

P

3 hrs

CIT 315 P **Web Graphics & Multimedia**

This three hour course, Web Graphics and Multimedia, is a continuation to Web Design and Development. The course material will cover different development tools used to incorporate graphics, sounds, and videos into web pages. This course is offered online and no scheduled classroom attendance will be required. Correspondence through emails and the class forum is required. Prerequisite: COMP-SCI 105p or consent of instructor.

P

3 hrs

CIT 420 P **Cgi Perl**

CGI Perl teaches CGI scripting techniques using the CGI.pm Perl module. Students learn how to create on-demand, server-based HTML;write and process fill-out forms; write responses to form submissions back to the client browser; store and process cookies; handle file uploads securely; create, read, and write to text databases. Students also explore CGI Perl's role in server push technology and continuous page updating. Students are not required to have previous Perl programming experience, although a through knowledge of HTML is necessary. Prerequisite: COMP-SCI IT222p or consent of instructor.

P

3 hrs

PACE - Communication Studies

COMM-ST 361 **Broadcast Management**

An analysis of the trends, patterns and methods of radio and television operations. Prerequisite: COMM-ST 308. Offered: On demand.

B

3 hrs

PACE - CRIMINAL JUSTICE AND CRIMINOLOGY

CJC 265 P **JUVENILE JUSTICE SYSTEM**

A survey of the legal aspects of the juvenile justice system in America dealing with the history, philosophy, jurisprudence and treatment of delinquents, and neglected, abused, dependent and adoptive children. Pace class to meet one night a week from 6:00-10:00 p.m. and one weekend: Fri E6:00-10:00; Sat 8:00-5:00; Sun 1:00-5:30 for eight weeks in either fall or winter semester. Part of PACE Block -- Juvenile Justice and the Family.

P

3 hrs

CJC 353 **ETHICAL AND CONTROVERSIAL ISSUES IN POLICING**

This course covers various ethical and controversial issues confronting law enforcement agencies and examines ethical dilemmas involved in police decision-making with an emphasis on current controversial issues. Topics to be addressed include police misconduct; stop and frisk practices; search and seizure; racial profiling; use of excessive and deadly force; and vehicle pursuits.

P

3 hrs

CJC 475 P **WHITE COLLAR CRIME**

This course examines activities variously called white-collar crimes, crimes of privilege, corporate and government crimes, and upperworld crimes. The purpose of the course are (1) to describe, analyze, and assess social impact of these offenses, (2) to examine the capacity of existing theories in criminology and social deviance to account for those activities, (3) to describe the responsibilities, powers, and activities of those agencies which have jurisdiction over them, and (4) to assess the effectiveness of various legal sanctions in controlling such activities and to review the problems involved in legislation intended to achieve that control. Part of PACE Block --Justice and Society. PACE class to meet one night a week from 6:00-10:00 p.m. and one weekend: Fri. E6:00-10:00; Sat 8:00-5:00; Sun 1:00-5:30 for eight weeks in either fall or winter semester.

P

3 hrs

PACE - ECONOMICS

ECON 353 **FINANCIAL ANALYSIS AND THE ECONOMY**

This course examines techniques of financial evaluation used by individuals, corporate managers, and portfolio analysts. Focus of the course will be on the interaction of the mechanics of analytical methods and economic activity. Topics covered will include individual portfolio building, asset evaluation, and financial market theory. Prerequisites: ECON 201 and ECON 202. Offered: Winter odd years.

B

3 hrs

ECON 486 **LABOR ECONOMICS**

An examination of the theories of wage determination, the economic effects of wage determination upon the wage structure, the distribution of national income, employment, and an introduction to collective bargaining. Prerequisite: ECON 302. On request.

B

3 hrs

PACE - ENGLISH PACE - HISTORY

HISTORY 330 PW **THE WORKS OF WESTERN MAN**

In the period 1750-1987, the nations bordering the Atlantic Ocean, largely relying on their technological advances, became world powers. This course, relying on analysis of films plus required readings, will survey the energy sources employed, the tools developed, and the regimes of the workplace which led to this dominance. Grades will be assigned to three types of exercises: frequent quizzes, a mini-project in historical research and a book critique of a piece of fiction. Prerequisite: Successful completion of the WEPT (effective FS93).

B

4 hrs

HISTORY 331 P **AMERICA IN THE MACHINE AGE**

The United States has experienced repeated waves of technological advancements. This course will largely focus on industrialization in the 19th century as well as consumer society of our own era. How Americans produced goods and what were the dynamics of the market place are two central themes. Required readings will be complemented by films and presentations from resource persons throughout Kansas City. A research project and three tests are required.

B

4 hrs

HISTORY 332 P **THE CITY: PAST AND PRESENT**

The optional four-credit-hour component (modified independent study) will concern the social aspects of these civilizations, i.e., their daily lives. Readings and audiovisual aids will be used to help the student who will be expected to choose one aspect of each civilization, such as women, slavery, merchants, education, medicine, etc., and write a five-page paper about that topic for each period, i.e., Mesopotamia, Egypt, Greece and Rome.

B

4 hrs

HISTORY 400 Z **SPECIAL STUDIES**

B

1-3 hrs

PACE - HUMANITIES

HMNTY 320 P **INTERNATIONAL CULTURES**

At the beginning of the new Millennium, this PACE course should heighten students' awareness of the values, esthetics and historical baggage of a particular culture as it introduces them to the dynamics of a rapidly changing world. Literature and scholarly texts will be in the in-roads to the culture and will deepen the students' insight into contemporary events. Course will vary with geographical area of study.

P

4 hrs

HMNTY 340 PW **THE WORLD OF ADVERTISING**

This course will present a broad overview of advertising literature. Students will be given some idea of the issues inherent in the world of advertising, procedures for running an ad campaign, and the role of persuasive writing and graphic design. As projects to accompany the historical and theoretical aspects of advertising, students will design a commercial or an ad campaign. The course will emphasize critical thinking, ethical issues, writing and speaking. Prerequisite: Two semesters of composition and successful completion of the WEPT (effective FS93).

P

4 hrs

HMNTY 375 P **RESEARCH IN WOMEN'S CULTURE**

Independent Study: Each student, with an instructor, will develop a research topic of personal or professional interest related to PACE 376P or PACE 377P and produce appropriate writing on the topic.

P

4 hrs

PACE - INTEGRATED STUDIES PACE - INTERDISCIPLINARY STUDIES

INT-DISC 310 P **GLOBAL POLITICAL AND SOCIAL ISSUES**

This course will give students a broad overview of a particular culture, region or ethnic group's political and social issues within the context of contemporary global challenges. Major topics include politics, economics, environmental and international concerns appropriate to understanding a cross section of traditions and values of a variety of social strata within a designated area of study.

P

4 hrs

PACE - NATURAL SCIENCE

NAT-SCI 102 P **FUNDAMENTALS OF LIFE SCIENCE**

This course emphasizes the essential properties of biological systems through four major themes: diversity, the chemical and physical basis of life, continuity, and the organismal nature of life. Prerequisite: Concurrent enrollment in NAT-SCI 103P. As needed.

P

4 hrs

NAT-SCI 430 PC **CC: BIOLOGICAL AND ETHICAL ISSUES IN AGING**

This course is designed to provide both a disciplinary and interdisciplinary study of the biological, philosophical, and ethical foundations and principles underlying the phenomenon of aging on an individual and societal level. Various physiological, neurological, anatomical, and psychological processes and changes characteristic of the development occurring during the aging process will be identified, studied, and discussed. The philosophical and specifically ethical issues associated traditionally with aging will be re-examined and analyzed in terms of scientific, technological, cultural, sociological, economic, and legal changes in knowledge and attitudes. PREREQUISITE: BIOLOGY 102 or equivalent.

P

3 hrs

PACE - PHILOSOPHY

PHILOS 401 PC **CC: BIOLOGICAL AND ETHICAL ISSUES IN AGING**

This course is designed to provide both a disciplinary and interdisciplinary study of the biological, philosophical, and ethical foundations and principles underlying the phenomenon of aging on an individual and societal level. Various physiological, neurological, anatomical, and psychological processes and changes characteristic of the development occurring during the aging process will be studied, and discussed. The philosophical and specifically ethical issues associated traditionally with aging will be re-examined and analyzed in terms of scientific, technological, cultural, sociological, economic, and legal changes in knowledge and attitudes. Prerequisites: BIOLOGY 102 or equivalent. This course is also cross-listed as NAT-SCI 401PC.

B

3 hrs

PACE - PHYSICAL SCIENCE PACE - POLITICAL SCIENCE

POL-SCI 409 P **BUREAUCRATIC POLITICS**

This weeknight course will examine the emergence of bureaucracies as the modern method of collective problem solving. In the U.S. political context, this involves the dynamic interplay of rational choice, due process and pluralistic politics. The transitions from limited to positive government and then to the current ethos of deregulation will be studied.

B

4 hrs

PACE - PSYCHOLOGY

PSYCH 407 P **DEVELOPMENTAL DISABILITIES AND COMMUNITY LIFE**

Focus is on developmental disabilities in community life and interdisciplinary process as a means of coordinating services and supports in community settings. Students will learn about specific disciplines and professions and how they must work together in the community. Topics include the State developmental disabilities network and service system, the principles of person-centered planning, the effects of severe disability on families, and the dynamics surrounding community inclusion of persons with severe disabilities.

B

4 hrs

PACE - SOCIAL SCIENCE

SOC-SCI 403 P **INDUSTRIAL ORGANIZATION APPLICATIONS**

The students will read books and business journals and reflect, in written form, on topics related to the organizational environment. Students will also research and prepare technical reports on specific organizational issues. Validation will be coordinated with the technical writing component of the block. Offered: Fall

P

4 hrs

SOC-SCI 457 P **FIRST NATIONS AND SURVIVAL IN LATIN AMERICA**

This course examines the history of a specific country, historical and contemporary issues (such as genocide, land use, economic and political marginalization and independence movements.) The course focuses on history and experience as it is constructed by and impacts native people. Special consideration is given to women and gender constructs in the native societies and the impact of a dominant European patriarchy.

P

4 hrs

SOC-SCI 458 P **WOMEN, MEN AND DEVELOPMENT IN A CULTURAL CONTEXT**

Students will explore two main areas of social scientific discourse in Latin America: theories of development and marginalization; and feminist interpretation of and responses to development. We will explore how the phases of political and economic history are reflected in ideas about development, dependency, and women's issues. A large part of the class will be concerned with the increasingly important issue of street children in Latin America and other minority issues. Offered: Winter

P

4 hrs

PACE - SOCIOLOGY PHILOSOPHY

PHILOS 5521 **MANAGERIAL AND ADMINISTRATIVE DECISION MAKING AND ETHICAL VALUES**

Methods of problem definition and decision making in ethics are presented with the goal of providing the student with a matrix for case review. A series of cases is offered that serve to integrate approaches to ethical reflection with management and administrative decision making. Cases are chosen on the basis of topical, curricular and conceptual relevance.

3 hrs

PHILOS 5540 **SEMINAR ON PHILOSOPHY AND LAW**

An examination from a philosophical perspective of the historical and conceptual relationships present in the evolution, development and analysis of law. Among the systems of analysis examined will be natural law theory, legal positivism and legal realism. Ordinarily the seminar will focus on a specific area of controversy in the law.

2 hrs

PHILOS 5546 **ETHICS AND GOVERNMENT**

An examination of ethical issues related to government, with the primary focus on national and local governmental bodies in the United States. Ethics in the executive, legislative and judicial branches are examined. Ethical standards for elected officials and appointed public servants are reviewed. Attempts to "legislate morality" are considered. The course includes a historical review of ethics and government and an analysis of the legal implications of legislation regarding ethics in the executive branch.

3 hrs

PHILOS 5620 **DESCARTES TO HUME**

3 hrs

PHILOS 5625 **AESTHETICS**

3 hrs

PHILOS 5638 **PHILOSOPHY OF BIOLOGY**

3 hrs

PHILOS 5640 **PHILOSOPHY OF LAW**

3 hrs

PHILOS 5690 **RESEARCH IN SELECTED FIELDS: GRADUATE STUDIES**

Intensive research in an area selected by the student in consultation with the instructor. By permission only. May be repeated for credit when the topic varies.

1-3 hrs

RELIGIOUS STUDIES

RELIG-ST 5500 SPECIAL TOPICS IN RELIGIOUS STUDIES

Special topics in religious studies. The focus of the course will vary by semester and instructor.

1-3 hrs

RELIG-ST 5501 A RELIGION IN AMERICA

An in-depth examination of selected aspects of the history of religions in America from the colonial period to the present. Special emphasis will be given to methodological issues in the study of American religious history. Offered: On Demand

3 hrs

RELIG-ST 5504 GENDER AND RELIGION

Cross-cultural and comparative study of how religious groups create and transmit gender roles and expectations.

3 hrs

RELIG-ST 5510 RELIGIONS OF THE WORLD

This course is designed to introduce graduate students to the major religions of the world, as well as to selected small-group religions. Our goal will be to learn to appreciate the similarities and differences in the structure and history of these religions. A primary focus will be on using the categories of the history of religions to examine and analyze the various dimensions of religion (e.g., historical, sociological, ritual, mythological, aesthetic). In addition, methodological issues of comparison will be addressed.

3 hrs

RELIG-ST 5567 MYTH AND RITUAL

"Myth" and "ritual" have long been fundamental categories in the study of religion. This course will briefly survey some of the major theories and approaches to the study of myth and ritual from the Enlightenment to the present. Will not only trace the shifting meanings of "myth" and "ritual," but will critically evaluate the utility of diverse approaches to the study of religious phenomena designated by these terms. Reading will include theoretical works, as well as selected case studies.

3 hrs

RELIG-ST 5584 RS SACRED NARRATIVES AND TEXTS

This course will study the "social lives" of sacred narratives and texts as they circulate within religious communities. Among the topics to be studied are methods of exegesis in different religious traditions, orality and literacy (including the reoralization of written texts), the canonization process, the emergence of interpretive specialists, text as amulets, reading and meditative practices and techniques, and narratives and the arts. The course is comparative, cross-cultural, and interdisciplinary in nature.

3 hrs

RELIG-ST 5586 RS METHODOLOGICAL APPROACHES TO THE STUDY OF RELIGION

This course examines the various disciplines that undertook the critical, objective study of religion beginning in the second half of the nineteenth century and continuing into the present. The course examines how the disciplines of the social sciences and humanities emerged in the last century and how the study of religion emerged from its roots in Jewish scholarship and Christian theology to be included under the umbrella of the humanities and social sciences. The historical development of religious studies as a historical and intellectual contexts.

3 hrs

RELIG-ST 5587 RS RESEARCH SEMINAR

Students in this course will produce a major research paper under the direction of the instructor: a self-contained thesis chapter, an article for publication or the equivalent.

3 hrs

RELIG-ST 5592 CULTS SECTS, AND NEW RELIGIOUS MOVEMENTS

In this course, students will experience: (a) a variety of methods for analyzing and understanding new religious movements in society: sociological, historical, and textual; (b) an introduction to the broad spectrum of religious beliefs which exist (and flourish) outside the cultural mainstream; and (c) an introduction to some of the means by which dominant religious and secular culture has confronted the presence of NRMs-e.g., deprogramming exit counseling, and theologically oriented countermovement. Offered: On demand

3 hrs

RELIG-ST 5593 SEX AND RELIGION

The course is designed to highlight issues related to the various ways in which religions of the world have integrated, embraced, or repressed one of the basic human experiences sexual expression. This is an elective course designed for graduate students with Religious Studies either as their coordinating or co-discipline. This is an advanced seminar, and as such does assume a certain measure of theoretical familiarity and background of study. Offered: On demand

3 hrs

RELIG-ST 5594 RS DEATH IN THE HISTORY OF RELIGIONS

As a biological "fact," death would appear to be a human universal. Yet, human beings have imagined--and, thus experienced--the meaning of death in many diverse ways in different cultures and over time. This course explores the conceptualization and representation of death and dying, as well as the ritual activities surrounding death, found in selected religious communities. The goals are to gain insight into how people have sought to (re) create a world of meaning in the face of death and to gain a critical perspective on our own contemporary situation.

3 hrs

RELIG-ST 5595 RS **TIME AND SPACE IN THE HISTORY OF RELIGIONS**

Time and space are essential components of the lived worlds of human beings, yet the cultural and historical constructions of these are remarkably diverse and, moreover, are subject to change. This course is a cross-cultural, interdisciplinary, and comparative exploration of the constructions and experiences of time and space found in selected religious communities and historical periods. In addition, it investigates the pivotal role the categories of "sacred and profane time and space" have played in theorizing religion and in the study of religious myths and rituals in the modern period. Time and space are essential components of the lived worlds of human beings, yet the cultural and historical constructions of these are remarkably diverse and, moreover, are subject to change. This course is a cross-cultural, interdisciplinary, and comparative exploration of the constructions and experiences of time and space found in selected religious communities and historical periods. In addition, it investigates the pivotal role the categories of "sacred and profane time and space" have played in theorizing religion and in the study of religious myths and rituals in the modern period.

3 hrs

RELIG-ST 5596 RS **BODY IN THE HISTORY OF RELIGIONS**

The human body is the site of extensive imaginal and ritual activities in all religious traditions. This course explores some of the diverse ways religious communities have imagined and experienced the human body, as well as how the body had been manipulated and worked on in an effort to transform the human situation in the world.

3 hrs

RELIG-ST 5597 RS **NON-THESIS RESEARCH/READING**

Individual direction of student reading or research by selected, consenting faculty. This course can be taken only when faculty supervision is unavailable in colloquia or seminars.

1-6 hrs

RELIG-ST 5598 RS **SEMINAR IN THE HISTORY OF RELIGIONS**

Advanced graduate seminar on a selected topic or problem in the History of Religion. Topic varies, but the seminar will have a methodical or theoretical focus. May be repeated for credit when topic is different.

3 hrs

RELIG-ST 5680 RS **DOCTORAL COLLOQUIUM**

This course will examine the writings and theories of major scholars in a particular area of Religious Studies. The authors, works and intellectual currents which form the basis of the colloquium will vary from semester to semester depending upon the professor's expertise and design for the course.

3 hrs

RELIG-ST 5687 RS **DOCTORAL RESEARCH SEMINAR**

Students in this course will produce a major research paper under the direction of the instructor. This shall consist of a self-contained chapter of the dissertation or a work of publishable quality. May be repeated for credit.

3 hrs

RELIG-ST 5697 RS **DOCTORAL-LEVEL INDEPENDENT READINGS**

Individual reading under the supervision of members of the Religious Studies Doctoral faculty and adjuncts in preparation for the Comprehensive Examination for the Ph.D.

1-6 hrs

RELIG-ST 5699 RS **DISSERTATION**

Course credits in dissertation.

1-15 hrs

RELIG-ST 5899 **REQUIRED GRADUATE ENROLLMENT**

1 hr

SOCIAL SCIENCE

SOC-SCI 5610 **PHILOSOPHY OF SOCIAL SCIENCE**

This course examines the development of the philosophy of science since the end of the 19th century. In this regard, Positivism, Conventionalism, and Realism as the three major conceptions of science will be studied and their significance as philosophical foundations of the social sciences will be assessed. Particular attention will be given to the emerging philosophy of science (i.e., Scientific Realism) which has profoundly challenged the more established Positivism.

3 hrs

SOC-SCI 5620 **SEMINAR IN SOCIAL THEORY AND POLICY ANALYSIS**

This seminar is designed to help the student develop, analyze, and evaluate objects of study. Considerable emphasis is placed on the integration of social theory and social policy. The course requires students to present a policy research project (or dissertation proposal) to the group. Each student is expected to give an oral and written evaluation of each proposal. Ideally, a member of the presenter's doctoral committee will participate in the class.

3 hrs

SOC-SCI 5622 **PRAGMATISM & EVOLUTIONARY SOCIAL THEORY**

Drawing on the classical pragmatism of Peirce and Dewey as the philosophical framework for inquiry, and the institutional economics of Veblen, Commons, Mitchell, and Ayres, this course develops Evolutionary Social Theory as a paradigm for interdisciplinary social science.

3 hrs

SOC-SCI 5690 SPECIAL DOCTORAL READING IN SOCIAL SCIENCE

Special Research Topic in Interdisciplinary Social Science at The Doctoral Level

1-3 hrs

SOC-SCI 5690 SPECIAL DOCTORAL READINGS IN SOCIAL SCIENCE

Special Research Topics in Interdisciplinary Social Science At The Doctoral Level.

1-3 hrs

SOC-SCI 5690 SPECIAL TOPICS

A

1-3 hrs

SOC-SCI 5690 SPECIAL TOPICS

B

1-3 hrs

SOC-SCI 5690 SPECIAL TOPICS

C

1-3 hrs

SOC-SCI 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

SPANISH

SPANISH 5514 THE GENERATION OF 1898

An examination of the intellectual, critical, historical and social problems as reflected in the writings of Ganivet, Unamuno, Valle-Inclan, Baroja, Azorin, and others.

3 hrs

SPANISH 5516 MEDIEVAL SPANISH LITERATURE

A study of selected medieval masterpieces in their Old Spanish form, with special emphasis on Romances, the Cantar de Mio Cid La Celestina, El Corbacho, Libro del buen amor, etc. Includes a short history of the Spanish language.

3 hrs

SPANISH 5519 FEDERICO GARCIA LORCA

A study in depth of the poetry and drama of Federico Garcia Lorca.

3 hrs

SPANISH 5520 CERVANTES' DON QUIXOTE, PART 1

An intensive reading of the first part of Cervantes' novel, Don Quixote.

3 hrs

SPANISH 5521 CERVANTES' DON QUIXOTE, PART II

An intensive reading of the second part of Cervantes' novel, Don Quixote. Part One is not a prerequisite. Offered: On Demand

3 hrs

SPANISH 5526 GOLDEN AGE DRAMA

A study in depth of the creation of national theater by Lope de Vega and his followers.

3 hrs

SPANISH 5527 PRE-COLUMBIAN AND SPANISH COLONIAL LITERATURE

A study of pre-Columbian works in drama, narrative, and poetry (Popol Vuh, Apu-Ollantay, Incan and Aztec poetry) along with a survey of Spanish-American colonial literature.

3 hrs

SPANISH 5528 CONTEMPORARY SPANISH POETRY

A comprehensive and intensive study of 20th-century Spanish poetry. The poets and their poetry will be studied in the light of literary movements, foreign influences, political tendencies and philosophical ideas.

3 hrs

SPANISH 5529 NOVEL OF THE MEXICAN REVOLUTION

The revolution as the principal focus of 20th-century Mexican fiction. The course will examine both the evolving understanding of the event/process and the sophistication of narrative technique employed in its presentation. Among the writers to be studied are Azuela, Guzman, Lopez y Fuentes, Yanez, Revueltas, Rulfo and Fuentes.

3 hrs

SPANISH 5530 SPANICH MYSTICISM

An examination of the development of mysticism in Oriental and Occidental civilizations, with emphasis on the great periods of mystic experience as reflected in the literary production of the Spanish Golden Age. Readings could include the works of Fray Luis de Granada, Fray Luis de Leon, Saint John of the Cross and Saint Teresa of Avila. Offered: On demand

3 hrs

SPANISH 5531 THE GOLDEN AGE NOVEL

A study of major prose works of the Golden Age. Possible topics include authorship, innovative narrative techniques, textual strategies and metafiction issues. Readings could include works by Alfonso Martinez de Toledo, Diego de San Pedro, Fernando de Rojas, Francisco Delicado, Cervantes, and Lope de Vega. Offered: On demand

3 hrs

SPANISH 5532 PASTORAL LITERATURE

Astudy of the development of pastoral literature during the Spanish Golden Age. Possible texts: Juan del Encina's Eclogues, Montemayor's Los siete libros de la Diana and Cervantes' Galatea. These works will be examined within their historical and cultural context. Offered: On demand

3 hrs

SPANISH 5533 CERVANTES' EXEMPLARY NOVELS

A study of Cervantes' Exemplary Novels within the context of 17th Century Spain. Attention will be paid to interpretive possibilities and how knowledge of historical contexts might influence readings of this rich and varied cultural output.

3 hrs

SPANISH 5534 THE PICARESQUE NOVEL

A study of the development of picaresque fiction during the Spanish Golden Age. The course deals with novelists principally active during the Baroque period such as Mateo Aleman, Francisco Lopez de Ubeda, Miguel de Cervantes, and Francisco de Quevedo.

3 hrs

SPANISH 5550 MODERN CLASSICS OF LATIN AMERICAN LITERATURE

The goal of the course is to familiarize the student with the principal Latin American writers of the modern period. The focus will be dual: the progressive sophistication of literary technique, and the refinement of social conscience. Among the authors to be studied are: Asturias, Borges, Carpentier, Cortazar, Donoso, Fuentes, Garcia Marques, Paz, Rulfo, and Vargas Llosa. Also offered as SPANISH 450.

3 hrs

SPANISH 5553 SPANISH-AMERICAN SHORT STORY

A study of Spanish-American short stories from Romanticism to the present. On demand.

3 hrs

SPANISH 5580 SPECIAL TOPICS

Treatment of a particular genre or area of literature or language normally not offered through regular courses. May be repeated for credit when the topic changes. Prerequisite: Permission of the instructor. On demand.

1-3 hrs

SPANISH 5590 DIRECTED STUDIES IN SPANISH & LATIN AMERICAN LITERATURE

Intensive readings in a field or literary figure to be selected by the student in consultation with the instructor. Available by permission of graduate advisor or instructor, as appropriate, only when student cannot take regularly scheduled courses.

1-3 hrs

STATISTICS

STAT 5501 STATISTICAL DESIGN OF EXPERIMENTS

This course is designed to present a variety of experimental design techniques to students with moderate mathematical and statistical background. The course includes three major components: efficient factorial designs, linear and quadratic process optimization of the location parameter, and variability reduction. Students will be trained to use SPSS statistical software package. Prerequisite: STAT 436 or consent of instructor

3 hrs

STAT 5537 MATHEMATICAL STATISTICS I

Probability theory, distribution functions, sampling, statistical inference, topics in advanced applied statistics. Prerequisite: MATH 402 or consent of the instructor. Note: Continued in STAT 5547.

3 hrs

STAT 5547 MATHEMATICAL STATISTICS II

Continuation of STAT 5537.

3 hrs

STAT 5551 APPLIED STATISTICAL ANALYSIS

Methods for analyzing data from experiments and observational studies; design-based and model-based inferences; model assessment; ANOVA; power analysis; SAS procedures. Prerequisites: STAT 436 or consent of instructor Offered: Every other Winter

3 hrs

STAT 5561 TIME SERIES ANALYSIS

This course is intended to present the basis knowledge (including models, methods and concepts) of time series analysis to students with a good background in intermediate mathematical statistics. Some elementary knowledge of basic linear regression anlysis would be helpful but not necessary. The presentation will be balanced between theory and data analysis, with sufficient theory to understand the basis of methods and a broad variety of models and many real data examples. Case studies will be drawn from business and economics, network traffic and meteorology, and data will be analyzed by students using existing computer programs (SAS, Minitab and R). Students are also expected to understand proper use and limits of time series models. Prerequisites: STAT 441 or consent of instructor note: This course will be offered every other winter.

3 hrs

STAT 5565 REGRESSION ANALYSIS

Simple linear regression; multiple linear regression; correlation analysis; model selections; checking assumptions; regression diagonostics; combating multi-collinearity; nonlinear regression. Prerequisites: STAT 436 or consent of instructor Offered: On Demand

3 hrs

STAT 5572 MULTIVARIATE ANALYSIS

Random vectors; multivariate normal distributions; Hotelling's T-square distribution; Wishart distribution; inferences on one mean vector; MANOVA; inferences on covariance matrices; profile analysis. Prerequisites: MATH 420 or consent of instructor Offered: Every other Fall

3 hrs

STAT 5576 PROBABILITY

Existence and extension of measure, random variable, expectation and its properties, types of convergence, law of large numbers, weak convergence, central limit theorem, and martingale. Prerequisites: STAT 436 and MATH 412 Offered: Every Fall

3 hrs

THEATRE

THEATRE 5500 RA THEATRE COLLABORATION

A course for M.F.A. students exploring the collaboration/ communication process in preparing a production. Must be elected by all students assigned to design, direct, technical direct or stage manage within the current or the following semester. Maximum of 8 hours applicable towards degree.

1-2 hrs

THEATRE 5501 R VOICE TRAINING

(A,B,C,D) Training for the speaking and singing voice, development of skills in vocal dynamics, physical control, and relaxation for the actor, dialects and verse structure. Four semesters required for acting emphasis.

2 hrs

THEATRE 5506 RR FRENCH DRAMA AND THEATRE

Study of significant plays and production methods in France from medieval times to the present. Particular emphasis will be given to the plays of Moliere, Racine, and Corneille, and to internationally renowned contemporary directors.

3 hrs

THEATRE 5507 19TH-CENTURY CONTINENTAL THEATRE

Production of significant French, German, Russian, Spanish, and Scandinavian plays and playwriting of the 19th century. Particular emphasis will be given to plays representative of romanticism, realism, naturalism, fin-de-siecle decadence, and intensive study of production history.

3 hrs

THEATRE 5508 20TH-CENTURY CONTINENTAL THEATRE

Study of the production of significant plays of Continental Europe from Strindberg to the present. Dramatic literature will be related to artistic currents such as expressionism, surrealism, the absurd, and where applicable, to political currents.

3 hrs

THEATRE 5509 RUSSIAN DRAMA AND THEATRE

Study of the production of Russian and Soviet plays with reference to the development of theatre art from the Christianization of Russia to contemporary post-Soviet drama.

3 hrs

THEATRE 5510 HISTORY OF THE AMERICAN THEATRE I

An exploration of the trends in and the development of the American theatre from Colonial times to 1900.

3 hrs

THEATRE 5511 HISTORY OF THE AMERICAN THEATRE II

An exploration of the trends in and the development of the American theatre for 1900 to the present.

3 hrs

THEATRE 5512 R HISTORY OF THE ENGLISH STAGE I

The English stage and its arts, crafts and literature from the medieval cycles through the Restoration.

3 hrs

THEATRE 5513 HISTORY OF THE ENGLISH STAGE II

Development of English and Irish theatre art and dramatic literature from the 18th century to the present.

3 hrs

THEATRE 5514 HISTORY OF DESIGN AND TECHNOLOGY I

The study of period style and scenic, costume, lighting, and technical production practices from the ancient world through the 17th century. The course will emphasize the application of research toward the presentation of period plays and contemporary production.

3 hrs

THEATRE 5515 R HISTORY OF DESIGN AND TECHNOLOGY II

The study of period style and scenic, costume, lighting, and technical production practices from the 18th century to the present. The course will emphasize the application of research toward the presentation of period plays and contemporary production.

3 hrs

THEATRE 5516 A TECHNICAL PRODUCTION FOR THE PRACTITIONER

The course is an in-depth review of technologies in scenery, lighting and stage operations, expansion of that knowledge, and application of it to the individual class member's particular theatre. Classroom material is augmented by hands-on experience in a controlled laboratory situation. Students should have a prerequisite of a basic technical theatre course or considerable practical experience. This course can be repeated for credit.

3 hrs

THEATRE 5516 B TECHNICAL PRODUCTION FOR THE PRACTITIONER

See course description for THEATRE 5516A.

3 hrs

THEATRE 5520 INDIVIDUAL PERFORMANCE STUDIES

(A,B,C) Private instruction for the advanced student. Prerequisite: Permission of the faculty member with whom the student will be studying.

1-2 hrs

THEATRE 5520 L INDIVIDUAL PERFORMANCE STUDIES

1-2 hrs

THEATRE 5521 A PROFESSIONAL SOUND DESIGN

Professional Sound Design is a series of four courses constructed to develop the designer's skills from research and initial sound collection, into interpretation, collaboration and idea development, concluding with the production of finished designs for the MFA productions. Each section deals with problems of increasing complexity beginning with "found" design material for early production and leading to indigenous designs created and layered for complex production support. The course may be taken once or twice for non-sound designers with the full cycle being required for the sound design emphasis.

3 hrs

THEATRE 5521 B **PROFESSIONAL SOUND DESIGN**

3 hrs

THEATRE 5521 C **PROFESSIONAL SOUND DESIGN**

Professional Sound Design is a series of four courses constructed to develop the designer's skills from research and initial sound collection, into interpretation, collaboration and idea development, concluding with the production of finished designs for the MFA productions. Each section deals with problems of increasing complexity beginning with "found" design material for early production and leading to indigenous designs created and layered for complex production support. The course may be taken once or twice for non-sound designers with the full cycle being required for the sound design emphasis.

3 hrs

THEATRE 5521 D **PROFESSIONAL SOUND DESIGN**

Professional Sound Design is a series of four courses constructed to develop the designer's skills from research and initial sound collection, into interpretation, collaboration and idea development, concluding with the production of finished designs for the MFA productions. Each section deals with problems of increasing complexity beginning with "found" design material for early production and leading to indigenous designs created and layered for complex production support. The course may be taken once or twice for non-sound designers with the full cycle being required for the sound design emphasis.

3 hrs

THEATRE 5530 **DRAFTING FOR THE THEATRE**

Practical laboratory course in drafting for the theatre encompassing floor plans, sections, designer's evaluations, front and rear elevations, working drawings, and problems in communicating design ideas. Fall semester.

3 hrs

THEATRE 5531 R **RENDERING TECHNIQUES FOR THE THEATRE DESIGNER II**

Continuation of Rendering Techniques with the introduction of color, pastels, watercolor and goauche. Skills are applied in developing projects for design in the theatre.

3 hrs

THEATRE 5532 **PROFESSIONAL COSTUME DESIGN**

(A, B, C, D) The courses in Professional Costume Design are intended to develop the costume designer's skills in research, rendering and drawing. Each section will deal with specific problems of design, such as period, line, silhouette, color and texture. Specific problems in design from realistic to stylized productions will be worked on by the students. The course may be taken once or twice by non-costume designers with the full cycle being required for costume emphasis.

3 hrs

THEATRE 5534 **COSTUME CONSTRUCTION I**

(A,B,C) Research and methodology into one or more of the following areas of costume construction for the stage: period pattern and tailoring adaptation, work with non-woven materials, and the cutting and finishing of costumes for the stage. May be repeated up to six hours with content change and permission of instructor.

3 hrs

THEATRE 5535 **TECHNICAL STUDIES IN COSTUMING AND MAKEUP**

(A,B,C) Concentration in one or more of the arts and crafts necessary to costume design. Areas to be chosen from include: fabric dyeing and painting, millinery, wig design and construction, latex prosthetic, and decorative accessories for the stage. May be repeated up to six hours with content change and permission of instructor.

3 hrs

THEATRE 5536 **PROFESSIONAL SCENE DESIGN**

(A,B,C,D) Professional Scene Design is a series of courses constructed to develop the designer's skills from research and initial sketches to finished renderings, models and working drawings. Each successive section deals with problems of increasing complexity beginning with one-set realistic productions through unit-settings, stylization and multiple setting problems. The course may be taken once or twice for non-set designers with the full cycle being required for the scene design emphasis.

3 hrs

THEATRE 5538 **SCENE PAINTING**

A practicum course in scene painting techniques and execution. Introduction to painting equipment and supplies, priming and preparation of surfaces and materials, standard techniques for painting ornament.

3 hrs

THEATRE 5539 **SCENE PAINTING II**

A practicum course in scene painting techniques with emphasis on painting interior drops, exterior landscapes and three-dimensional pieces.

3 hrs

THEATRE 5540 **PATTERN DRAFTING AND CUTTING**

Theory and laboratory study of the techniques and methods employed in drafting patterns for the professional stage.

3 hrs

THEATRE 5545 PROFESSIONAL ACTING TECHNIQUES I

Theatre games, exercises, mask work, and some scene study to develop the first year acting/directing class into a training ensemble, instill a clear and uniform vocabulary, heighten awareness, and begin concentrated skill work. The semester will culminate in a class project.

3 hrs

THEATRE 5546 PROFESSIONAL ACTING TECHNIQUES II

Continuation of THEATRE 5545 with emphasis on the application of the first semester's work through scene study of contemporary plays and monologues.

3 hrs

THEATRE 5547 PROFESSIONAL ACTING TECHNIQUES III

Concentration on non-naturalistic styles. Work on scenes from Shakespeare and other classical playwrights.

3 hrs

THEATRE 5548 PROFESSIONAL ACTING TECHNIQUES IV

Work on audition material and further scene work dealing with specific individual acting problems.

3 hrs

THEATRE 5549 MASTER CLASS IN ACTING

(A,B,C,D) Class in advanced studies in acting. May be repeated for credit up to eight hours as content and guest artist change. Permission of instructor or head of area required. Required for third year graduate acting students in the fall semester and may be repeated subsequently as elective.

2 hrs

THEATRE 5551 RENDERING TECHNIQUES FOR THE THEATRE DESIGNER III

Developing techniques for rendering in realistic settings: interiors, landscapes, fabric and furnishings.

3 hrs

THEATRE 5552 R RENDERING TECHNIQUES FOR THE THEATRE DESIGNER IV

Developing techniques for rendering in non-realistic styles with the emphasis on imaginative designs, light and air, created textures, etc.

3 hrs

THEATRE 5557 THEATRE HISTORY I

Development of theatre art-including dramatic literature, staging, and performance styles-from the beginning through the 17th century. This course also looks at Asian theatre forms. Students read approximately 20 plays. Prerequisite: Graduate Status Offered: Every Fall

3 hrs

THEATRE 5560 THEATRE HISTORY II

Development of western theatre art-including dramatic literature, staging, and performance styles-from the 18th century to the present. Students will read approximately 24 plays Prerequisite: Graduate status Offered: Every winter

3 hrs

THEATRE 5562 ACTOR PRACTICUM

A contemporary scene study class for actors. Actors test their acquired process skills with major emphasis placed on characterization.

3 hrs

THEATRE 5563 TEXT ANALYSIS I

Linear analysis of selected prose dramas with concentration on character delineation, images and motivation for actors and directors.

3 hrs

THEATRE 5564 TEXT ANALYSIS II

Continuation of THEATRE 5563 with emphasis on verse plays. Selected playwrights from the Greek and Elizabethan periods will be included along with modern verse dramatists.

3 hrs

THEATRE 5565 INTRODUCTION TO PROFESSIONAL DIRECTING

The first part of the class is devoted to an intensive study of various and diverse concepts related to the dramatic experience by dramatists, critics, and directors. The class also examines current production methods and practices for today's functioning professional director. Systems related to stage management and actors are investigated.

3 hrs

THEATRE 5567 PROFESSIONAL DIRECTING PRACTICUM

This class will move from concept to production. Work will revolve around the presentation of production concept statements in which the director will select, organize and articulate the theatrical substance in support of his or her chosen concept. Intensive analysis will lead to the development of an image/metaphor for production. Term will include presentation of a full book justifying concept choices for scenic, costume, music and dance, and, finally, full production.

3 hrs

THEATRE 5568 SEMINAR IN DRAMATURGY

Critical analysis of dramatic structure and techniques, with special reference to modern and contemporary drama.

3 hrs

THEATRE 5569 MASTER CLASS IN DIRECTING

(A,B,C,D) Class in advanced studies in directing. May be repeated for credit up to eight hours as new material and guest artist change. Permission of instructor or head of area required. Graduate students elect THEATRE 5569.

2 hrs

THEATRE 5570 PROFESSIONAL LIGHTING DESIGN

(A, B, C, D) Professional Lighting Design is a series of courses concerned with the study of light as a design element. Projects to implement design theory are primarily selected from the areas of dramatic, musical and opera theatre, and dance. Emphasis is on the design process with each successive section dealing with problems of increasing complexity. Areas of study and projects are chosen on the basis of individual levels of development. When elected by non-lighting designers the course may be elected for a maximum of two semesters.

3 hrs

THEATRE 5572 STAGE LIGHTING EQUIPMENT

A comprehensive study of contemporary technical equipment and its usage to actualize a lighting design. Areas of emphasis include instruments, color and color theory, lighting control systems, projection, and optical special effects.

2 hrs

THEATRE 5573 PROFESSIONAL TECHNICAL PRODUCTION

Detailed study and experimentation with recent scenic materials, scenery construction, rigging systems, use of metal and special effects.

3 hrs

THEATRE 5574 THEATRE REGULATIONS, LAWS AND SAFETY

Survey of fire, city and Equity codes, and insurance, liability, health rules and regulations related to theater operation. Union and legal contracts, philosophy and relations with theatre facilities and operations.

1 hr

THEATRE 5575 R PROPERTY CONSTRUCTION

Construction techniques and materials used to make and modify set and hand properties and set dressing.

3 hrs

THEATRE 5577 ADVANCED MATERIALS

(A,B,C,D) The theatre technician and designer are dependent on a wide range of materials in the creation of their art. Each semester the student will pursue detailed study of a material area (i.e., wood, metal, plastics, textiles), the processes of its usage and its related process-products (i.e., adhesives, paints, dyes, etc.). Field trips and hands-on laboratory work are integral to the course.

3 hrs

THEATRE 5578 PROFESSIONAL THEATRE ADMINISTRATION

Theories, problems and techniques preparing the student for effective interaction with professional theater administration, offering a foundation for potential theatre administrators as well as enrichment for students of directing, design, technical and stage management.

3 hrs

THEATRE 5579 R MASTER CLASS IN DESIGN

(A,B,C,D) Class in advanced studies in design. May be repeated for credit up to eight hours as content and guest artist change. Permission of instructor or head of area required. Graduate students elect THEATRE 5579.

2 hrs

THEATRE 5580 R GRADUATE TECHNICAL STUDENT SEMINAR

(A,B,C,D,E,F) Required in every semester for Design/Tech M.F.A. candidates choosing a technology emphasis. This continuing seminar course serves as a forum for all graduate technical students to analyze and discuss problems and solutions on current academic and KCRep productions. The course develops collaborative skills through the sharing of ideas and experiences. In addition, topics of general interest to the technician will be studied through guest lecturers and/or individual projects prepared by the faculty and students and presented to the class.

2 hrs

THEATRE 5583 SEMINAR ON TECHNICAL PRODUCTION MANAGEMENT

Seminar involving shop organization, scheduling, purchasing, lending and borrowing, rentals, personnel, job description, organizing structure, etc. Emphasis upon organization and techniques for repertory theatre operation.

2 hrs

THEATRE 5584 MASTER CLASS IN TECHNOLOGY

(A,B,C,D) Class in advanced studies in technology. May be repeated for credit up to eight hours as content and guest artist change. Permission of instructor or head of area required.

2 hrs

THEATRE 5585 ADVANCED TECHNICAL DRAFTING

An intensive drafting course required for Design/Tech M.F.A. candidates with emphasis in technology. The course aims to equip the student to prepare clear shop working drawings from designer elevations. Topics include both conceptual planning techniques and developing mechanical drawing skills. One hour lecture, four lab hours, and extensive outside preparation. Previous completion of THEATRE 430 strongly suggested.

3 hrs

THEATRE 5586 STRUCTURAL DESIGN FOR THE STAGE

A course in the structural design of scenic elements. The student learns to work within the visual restrictions imposed by the designer to build structures that will bear given load requirements with a minimum of deflection. Basic engineering and load analysis principles are studied and applied in the design procedure to find the best possible solutions in terms of strength, weight, safety and cost.

3 hrs

THEATRE 5590 DIRECTED GRADUATE STUDIES

Individual projects on the graduate level. No more than three hours with any one instructor. Prerequisite: Consent of the instructor. Only one 590 each semester.

3-6 hrs

THEATRE 5590 A DIRECTED GRADUATE STUDIES

3-6 hrs

THEATRE 5590 B DIRECTED GRADUATE STUDIES: DESIGN

3-6 hrs

THEATRE 5590 C DIRECTED GRADUATE STUDIES: COSTUMES

3-6 hrs

THEATRE 5590 D DIRECTED GRADUATE STUDIES: SCENIC DESIGN

3-6 hrs

THEATRE 5590 E DIRECTED GRADUATE STUDIES: DIRECTING

3-6 hrs

THEATRE 5590 F DIRECTED GRADUATE STUDIES

3-6 hrs

THEATRE 5590 G DIRECTED GRADUATE STUDIES: LIGHTING

3-6 hrs

THEATRE 5590 H DIRECTED GRADUATE STUDIES: PLAYWRITING

3-6 hrs

THEATRE 5590 I DIRECTED GRADUATE STUDIES

3-6 hrs

THEATRE 5590 J **DIRECTED GRADUATE STUDIES: STAGE MANAGEMENT**

3-6 hrs

THEATRE 5590 K **DIRECTED GRADUATE STUDIES: TECHNICAL PRODUCTION**

3-6 hrs

THEATRE 5590 L **DIRECTED GRADUATE STUDIES: THEATRE MANAGEMENT**

3-6 hrs

THEATRE 5590 M **DIRECTED GRADUATE STUDIES: THEORY AND CRITICISM**

3-6 hrs

THEATRE 5590 N **DIRECTED GRADUATE STUDIES: DRAMATURGY**

3-6 hrs

THEATRE 5590 R **DIRECTED GRADUATE STUDIES**

3-6 hrs

THEATRE 5590 S **DIRECTED GRADUATE STUDIES**

3-6 hrs

THEATRE 5590 T **DIRECTED GRADUATE STUDIES**

3-6 hrs

THEATRE 5592 A **SEMINAR ON STAGE MANAGEMENT PRACTICE**

MFA student stage managers meet one hour a week with the Production Manager of of both Kansas City Repertory Theatre and Department of Theatre (and head of stage management training), to discuss current management problems and solutions for productions in progress. The seventeen productions mounted each year by the Department and the Rep will be examined. Students will become aware of problem solving procedures in both the professional and the academic theatre. Prerequisite: None, except to be a Graduate Stage Management Student. Offered: Fall and Winter Semesters

1 hr

THEATRE 5592 B **SEMINAR ON STAGE MANAGEMENT PRACTICE**

MFA student stage managers meet one hour a week with the Production Manager of of both Kansas City Repertory Theatre and Department of Theatre (and head of stage management training) to discuss current management problems and solutions for productions in progress. The seventeen productions mounted each year by the Department and the Rep will be examined. Students will become aware of problem solving procedures in both the professional and the academic theatre. Prerequisite: None, except to be a Graduate Stage Management Student. Offered: Fall and Winter Semesters

1 hr

THEATRE 5592 C **SEMINAR ON STAGE MANAGEMENT PRACTICE**

MFA student stage managers meet one hour a week with the Production Manager of of both Kansas City Repertory Theatre and Department of Theatre (and head of stage management training) to discuss current management problems and solutions for productions in progress. The seventeen productions mounted each year by the Department and the Rep will be examined. Students will become aware of problem solving procedures in both the professional and the academic theatre. Prerequisite: None, except to be a Graduate Stage Management Student. Offered: Fall and Winter Semesters

1 hr

THEATRE 5592 D **SEMINAR ON STAGE MANAGEMENT PRACTICE**

MFA student stage managers meet one hour a week with the Production Manager of of both Kansas City Repertory Theatre and Department of Theatre (and head of stage management training) to discuss current management problems and solutions for productions in progress. The seventeen productions mounted each year by the Department and the Rep will be examined. Students will become aware of problem solving procedures in both the professional and the academic theatre. Prerequisite: None, except to be a Graduate Stage Management Student. Offered: Fall and Winter Semesters

1 hr

THEATRE 5592 E **SEMINAR ON STAGE MANAGEMENT PRACTICE**

MFA student stage managers meet one hour a week with the Production Manager of of both Kansas City Reprertory Theatre and Department of Theatre (and head of stage management training) to discuss current management problems and solutions for productions in progress. The seventeen productions mounted each year by the Department and the Rep will be examined. Students will become aware of problem solving procedures in both the professional and the academic theatre. Prerequisite: None, except to be a Graduate Stage Management Student. Offered: Fall and Winter Semesters

1 hr

THEATRE 5597 REPERTORY THEATRE: INTERNSHIP

Assignments available in the following areas: directing, design, carpentry, lighting, costume, props, acting, stage management. Technical interns will be assigned by the appropriate heads of those areas. Acting interns may understudy and/or play roles with the Kansas City Repertory Theatre on the Spencer stage or in showcase productions. Also, interns will have some responsibility in technical areas such as change-over, props, costume, running crew, and stage management. Directing interns may assist director or assistant stage manager. Prerequisite: Selection by chairman of department.

3-6 hrs

THEATRE 5598 R RESEARCH AND PERFORMANCE

Primarily for the M.F.A. student. Permission of the graduate faculty.

1-6 hrs

THEATRE 5599 RESEARCH AND THESIS

1-6 hrs

THEATRE 5697 REPERTORY THEATRE: RESIDENCY

The residency consists of authorized participation with the Kansas City Repertory Theatre, the Department of Theatre, or an approved outside professional company, and is arranged under departmental advisement, with the chairman of the department, and in consultation with the artistic director of KCRep. The assignment will be determined by matching interest and degree emphasis with available production assignments.

6 hrs

THEATRE 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

URBAN PLANNING AND DESIGN

UPD 5596 DIRECTED STUDY IN URBAN PLANNING AND DESIGN

Intensive reading and/or research in an area selected by the student in consultation with the instructor. Offered: On Demand

1-3 hrs

UPD 5596 A DIRECTED STUDY IN URBAN PLANNING AND DESIGN

Intensive reading and/or research in an area selected by the student in consultation with the instructor. Offered: On Demand

1-3 hrs

UPD 5596 B DIRECTED STUDY IN URBAN PLANNING AND DESIGN

Intensive reading and/or research in an area selected by the student in consultation with the instructor. Offered: On Demand

1-3 hrs

UPD 5596 C DIRECTED STUDY IN URBAN PLANNING AND DESIGN

Intensive reading and/or research in an area selected by the student in consultation with the instructor. Offered: On Demand

1-3 hrs

UPD 5599 SPECIAL TOPICS IN URBAN PLANNING AND DESIGN

Intensive reading and/or research in an area selected by the student in consultation with the instructor. Offered: On Demand

1-3 hrs

UPD 5599 A SPECIAL TOPICS IN URBAN PLANNING AND DESIGN

Intensive reading and/or research in an area selected by the student in consultation with the instructor. Offered: On Demand

1-3 hrs

UPD 5599 B SPECIAL TOPICS IN URBAN PLANNING AND DESIGN

Intensive reading and/or research in an area selected by the student in consultation with the instructor. Offered: On Demand

1-3 hrs

UPD 5599 C SPECIAL TOPICS IN URBAN PLANNING AND DESIGN

Intensive reading and/or research in an area selected by the student in consultation with the instructor. Offered: On Demand

1-3 hrs

URBAN STUDIES WOMEN'S AND GENDER STUDIES WORLD LITERATURE MATHEMATICS

MATH 5509 General Algebra I

Groups, rings, modules, homology, fields and Galois theory, valuations, matrices, and multilinear algebra. Prerequisite: MATH 410 or equivalent. Note: Continued in MATH 5519.

3 hrs

MATH 5510 Complex Variables I

The group of linear fractional transformations, complex integration, Cauchy's theorem, the maximum modulus theorem, analytic continuation, Riemann surfaces. Note: Continued in MATH 5520. Prerequisite: MATH 402 and MATH 407, or consent of instructor.

3 hrs

MATH 5513 Real Variables I

Theory of measure with applications to analysis. Riemann and Lebesgue integration. Note: Continued in MATH 5523. Prerequisite: MATH 402.

3 hrs

MATH 5514 Mathematics For Secondary Teachers: Algebra And Analysis

Designed for secondary-school teachers. Examine high school mathematics from a higher point of view. Real and complex numbers, functions, algereaic structures of equations, integers and polynomials, number system structures; analyses of alternate approaches, extensions and applications of mathematical ideas, discussion of historical contexts and connections between ideas that may have been studied separately in different courses, relationships of ideas studied in secondary-school to those students may encounter in later study. When taken for graduate credit as MATH 5514, an extra project is required. Prerequisites: MATH 220 , MATH 301, and one of MATH 402 or MATH 410 Offered: Every Winter

3 hrs

MATH 5517 Matrix Theory I

Unitary matrices, normal matrices, Jordan canonical form, nonnegative matrices and their applications, the symmetric eigenvalue problem. Prerequisites: MATH 402 and MATH 420, or consent of the instructor

3 hrs

MATH 5519 General Algebra II

Continuation of MATH 5509.

3 hrs

MATH 5520 Complex Variables II

Continuation of MATH 5510.

3 hrs

MATH 5521 Differential Equations

This course offers an introduction to the qualitative theory and applications of ordinary differential equation (ODE). The presentation of the course will be a blend of fundamental theory and examples. The basic results will be proved rigorously and more advanced results will be only illustrated by examples that demonstrate when and how they may be applied. Prerequisites: MATH 345,MATH 412 and MATH 420, or consent of the instructor.

3 hrs

MATH 5523 Real Variables II

Continuation of MATH 5513.

3 hrs

MATH 5524 Mathematics For Secondary Teachers: Geometry

Designed for secondary-school teachers. Examine high school mathematics from a higher point of view. Congruence, distance and similarity, trigonometry, area and volume, axiomatics and Euclidean geometry; analyses of alternate approaches, extensions, and applications of mathematical ideas, discussion of historical contexts and connections between ideas that may have been studied separately in different courses, relationships of ideas studied in secondary-school to those students may encounter in later study. When taken for graduate credit as MATH 5524, an extra project is required. Prerequisites: MATH 220, MATH 301, and one of MATH 402 or MATH 410 Offered: Every Fall on Demand

3 hrs

MATH 5530 Axiomatic Set Theory

Zermelo-Fraenkel set theory, transfinite induction equivalents of the axiom of choice, cardinal and ordinal arithmetic, the generalized continuum hypothesis, inaccessible cardinals.

3 hrs

MATH 5532 Advanced Numerical Analysis I

Error Analysis, Solving Systems of Linear Equations, Solutions of Nonlinear Equations, the Least-Squares Problems, and Approximating functions. Prerequisite: MATH 402 and MATH 420 or consent of instructor. Note: Continued in MATH 5542.

3 hrs

MATH 5542 ADVANCED NUMERICAL ANALYSIS II

Eigenvalues and Eigenvectors, Linear Programming, Optimization, Numerical Differentiation and Integration, Numerical Solution of Ordinary and Partial Differential Equations. Prerequisite: MATH 532 or consent of instructor. Note: Continuation of MATH 5532.

3 hrs

MATH 5552 GENERAL TOPOLOGY

Topological spaces, continuity, metric spaces, topological products, connectedness, compactness, separation axioms, convergence, metrization theorems, Tychynoff's Theorem. Other topics may include: homotopy, fundamental group, function spaces. Prerequisites: MATH 402, or consent of instructor

3 hrs

MATH 5557 FUNCTIONAL ANALYSIS

Hilbert spaces, linear operators, compact operators, Banach spaces, the Hahn-Banach theorem, the open mapping and closed graph theorems, the principle of uniform boundedness, locally convex spaces. Prerequisites: MATH 402 and MATH 420

3 hrs

MATH 5590 SPECIAL TOPICS

Selected topics in various fields of mathematics. May be repeated for credit when the topic varies. Prerequisite: Consent of instructor.

1-3 hrs

MATH 5699 RESEARCH AND THESIS

Doctoral dissertation.

1-16 hrs

MATH 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

SOCIOLOGY

SOCIOL 5501 SOCIAL THEORY I

Examines the development of social theory in Europe up to the beginning of the twentieth century, with a focus on its intellectual precursors of social theory, debates over the nature of society, and controversies over the distinct features of sociology as an emerging academic discipline. The major perspectives covered include the intellectual origins of sociological thought in Great Britain, France, and Germany, and the debates as reflected in the writings of Karl Marx, Emile Durkheim, Max Weber, and Georg Simmel. Prerequisite: undergraduate course in Sociological Theory. Offered: Fall.

3 hrs

SOCIOL 5502 SOCIAL THEORY II

Examines the major sociological theories developed during the twentieth century and contemporary debates over the nature of society and the nature of our knowledge about society. Theories to be examined include behaviorism, symbolic interactionism, structural functionalism, phenomenology, conflict theory, postmodernism, those that attempt to integrate social agency and structure, and feminist theory. Prerequisite: SOCIOL 501. Offered: Winter.

3 hrs

SOCIOL 5503 CONTROVERSIES IN CONTEMPORARY SOCIAL THEORY AND PRACTICE

This course critically examines central issues in contemporary debates among social theorists over the nature of society and how it should be studied. Offered: Fall

3 hrs

SOCIOL 5506 COLLOQUIUM: RESEARCH AND DISSERTATION PROJECT

A colloquium of Ph.D. students to be taken during the Fall semester of their second year in the program. Students will be guided to develop their dissertation proposal under faculty direction and exchange their experience. The focus of the seminar is on students developing and refining a research agenda that will eventually result in their dissertation proposal. Issues to be addressed include how to state the research question, how to identify and evaluate theoretical perspectives, how to review the literature, how to determine the methodology to be used as well as the options for data collection, and how to put all of this information into a readable and operational research proposal. Note: Fall.

3 hrs

SOCIOL 5510 SOCIOLOGICAL METHODS I

A survey of methods used by sociologists: selection and formulation of problem, research design, survey research, participant observation, sampling, reliability and validity, use of scales, and data analysis. Crosslisted with CJC 510. Offered: Fall Prerequisite: SOCIOL 362 or equivalent.

3 hrs

SOCIOL 5511 SOCIOLOGICAL METHODS II

Quantitative research is the primary focus of the course; emphasis is placed on problem formulation; research design; sampling procedures; questionnaire construction and interviewing techniques; data collection; problems of scaling, validity and reliability; uses of secondary data sets; data analyses and report writing. Crosslisted with CJC 511. Prerequisite: SOCIOL 362 or equivalent. Offered: Winter.

3 hrs

SOCIOL 5512 QUALITATIVE METHODOLOGY

Experience in field research and participant observation methodology with focus on the research process including the role of the researcher, data collection and analysis, ethical issues, and the value and limitation of qualitative methodologies. Prerequisite: One semester of research methods.

3 hrs

SOCIOL 5516 INTERMEDIATE STATISTICS

A systematic development of the logic and practice of selected statistical methods used in sociological research. Included are analysis of variance and covariance, regression analysis, multiple contingency, and non-parametric tests. Prerequisite: SOCIOL 363 or equivalent. Crosslisted with CJC 516.

3 hrs

SOCIOL 5523 SOCIOLOGY OF DEVIANCE

A seminar devoted to a critical examination of the predominant studies on the subject as well as to a discussion of some of the major forms of deviance in contemporary American society.

3 hrs

SOCIOL 5525 COMPLEX ORGANIZATIONS

Examination of the more important studies and theories concerning organizations such as business, factories, governmental bureaus, churches and universities. The communication-decision process, status system, socialization, legitimization of power, and the interrelationships of formal structures.

3 hrs

SOCIOL 5530 ANTHROPOLOGY OF GENDER

This class explores theories of the social construction of gender in cross-cultural contexts. It will also explore global issues of diversity, local and international politics, the economy and work, education, etc.

3 hrs

SOCIOL 5531 FEMINIST THEORIES

This class introduces the major feminist theories and their primary authors over the last 200 years. The class takes both an historical (we begin with two millennia of male-centered theories about women) and a conceptual approach (theories are grouped by common ground) and familiarizes the student with both the historical processes that necessitate feminist theories as well as with the breadth of the historically and currently available scholarship. Graduate students are expected to fulfill all undergraduate requirements at graduate-level quality, including independent research components; in addition, graduate students are required to be prepared to lead class discussions. Prerequisites: Introduction of Women's Studies Offered: Every Winter

3 hrs

SOCIOL 5538 GENDER, WORK AND SOCIAL CHANGE

This course examines the role of gendered work and consumption in global social change. Drawing from sociological perspectives on gender and work, this course foregrounds a global comparative analysis of societal development and working contexts, including tourism employment, sex work, domestic work, and agricultural, garment, and informatics production. Graduate students are required to carry out independent research or complete work in the area of public sociology and academic-service learning. Students will write a conference paper or journal quality article from this research. Offered: Every Winter

3 hrs

SOCIOL 5540 URBAN SOCIAL STRUCTURE

An examination of the social structure of the American city with special reference to the historical development of American cities. Attention will be focused on the role of social institutions as they have changed in relation to urban problems.

3 hrs

SOCIOL 5554 SOCIOLOGY OF THE AGING WOMAN

An exploration of the intersection of gender and aging issues with special attention to cultural images of women, the development of self-concept and identity in mid-life and beyond, caring roles in the family, work and retirement, and health and mental health issues. These issues are examined within the context of social class, race, and ethnicity. Implications for community programs and social policy are considered. Graduate students will be expected to carry out a research project and to lead a class session.

3 hrs

SOCIOL 5556 AGING AND DEVELOPMENTAL DISABILITIES

This course explores the experience of aging with a developmental disability or mental retardation within the context or normative aging. Among the comparisons made between older persons with and without developmental disabilities are their demographic characteristics, physical and cognitive functioning, role transitions and losses, identities and self-concepts, and family and caregiving issues. Policies, programs, and emerging concepts of best practices are considered within the context of quality of life, ethical, and community inclusion bases.

2 hrs

SOCIOL 5557 PRACTICUM IN AGING AND DEVELOPMENTAL DISABILITIES

Students gain experience in working with and defining issues of older persons with developmental disabilities through placements in sheltered workshops, senior centers, residential group homes, and other community-based programs. Students must be simultaneously enrolled in SOCIOL 556.

1 hr

SOCIOL 5558 CULTURES OF THE AFRICAN DIASPORA

The course will explore the cultures of African people and their descendents who settled in Europe, the Caribbean or the Americas due primarily to the impact of the Trans-Atlantic trade in human beings. The focus will be comparative, with emphasis on cultural adaptation, kinship systems, music and religion

3 hrs

SOCIOL 5560 SOCIOLOGY OF DEATH AND DYING

This course examines attitudes, behaviors, and institutions related to death and dying in contemporary American society. Topics include the meanings of death in American society, social settings for dying, interaction with the dying, customs and practices surrounding death, role transitions of survivors, and suicide. Special attention is given to issues of aging and dying.

3 hrs

SOCIOL 5573 LATIN AMERICAN IMMIGRANTS AND REFUGEES IN THE U.S.

This course is the study of history, culture and societies of immigrants and US citizens of Latin American heritage living in the U.S.

3 hrs

SOCIOL 5580 SPECIAL STUDIES IN SOCIOLOGY

An opportunity to explore in depth topics not included in usual course offerings. One or more topics will be announced in advance of registration.

1-3 hrs

SOCIOL 5595 DIRECTED RESEARCH EXPERIENCE

Research project supervised by faculty.

3 hrs

SOCIOL 5597 INDEPENDENT READINGS

Intensive readings in an area selected by the student with prior consultation with the instructor.

1-3 hrs

SOCIOL 5599 THESIS AND RESEARCH

Directed specialized research. Before writing a thesis, the student must clear the topic and research design with the Supervisory Committee. The course also involves the writing of the thesis.

1-6 hrs

SOCIOL 5699 DISSERTATION RESEARCH

Individual directed research leading to preparation and completion of doctoral dissertation.

1-12 hrs

SOCIOL 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

PHYSICS

PHYSICS 5500 METHODS OF MATHEMATICAL PHYSICS I

Intended to provide the student with the advanced mathematical techniques needed for beginning graduate studies in the physical sciences. Content includes real variables, infinite series, complex analysis, linear algebra and partial differential equations. Offered: Fall.

3 hrs

PHYSICS 5501 METHODS OF MATHEMATICAL PHYSICS II

A continuation of PHYSICS 500 which includes Sturm-Liouville operators, special functions, Fourier transforms, distributions and Green functions, Laplace transforms, linear groups and tensor analysis. Offered: Winter.

3 hrs

PHYSICS 5505 SURVEY OF RECENT DEVELOPMENT IN PHYSICS

Specifically designed to help high school and junior college science teachers keep pace with current developments in various subdivisions of physics and their impact on society and technology. (Not applicable for graduate degree in Physics). Prerequisite: Baccalaureate degree and one year science teaching experience. Offered: On Demand.

3 hrs

PHYSICS 5510 THEORETICAL MECHANICS I

A review of undergraduate mechanics precedes the study of generalized classical mechanics in this course. Topics include variational principles, Lagrangian and Hamilton methods, conservation laws and Hamilton-Jacobi theory. Offered: Fall.

3 hrs

PHYSICS 5511 THEORETICAL MECHANICS II

A continuation of PHYSICS 510, this course covers topics such as normal coordinates, small oscillations, continuum mechanics and special/general relativity. Offered: On Demand.

3 hrs

PHYSICS 5520 ELECTROMAGNETIC THEORY AND APPLICATIONS I

Electrostatics, magnetostatics and various approaches in solving boundary value problems of electromagnetism, Green's functions, conformal transformations and polynomial expansions, Maxwell's equations and waves. Offered: Winter

3 hrs

PHYSICS 5521 ELECTROMAGNETIC THEORY AND APPLICATIONS II

Waveguides, fiberoptics, radiation systems and antenna for wireless communications, scattering and diffraction of electromagnetic waves, multipole fields, special relativity and relativistic particle dynamics and radiation. Offered: Fall

3 hrs

PHYSICS 5530 QUANTUM MECHANICS I

Review of elementary methods, formal preliminaries, axioms, commuting operators, angular momentum, static perturbation theory, Wigner-Eckart theorem. Offered: Fall.

3 hrs

PHYSICS 5531 QUANTUM MECHANICS II

Time dependent perturbation theory, scattering, applications to atoms, molecules and nuclei, reactions, relativistic methods. Offered: Winter.

3 hrs

PHYSICS 5535 OPTICAL PROPERTIES OF MATTER

Maxwell's equations and the dielectric function, absorption and dispersion, free-electron metals, interband transitions, dispersion relations and sum rules, self-consistent field approximation, current-current correlations and the fluctuation-dissipation theorem, plasmons and characteristic energy loss. Prerequisites: PHYSICS 450,PHYSICS 460, PHYSICS 461, PHYSICS 471, PHYSICS 472,PHYSICS 500. Offered: Fall Even Years.

3 hrs

PHYSICS 5540 STATISTICAL PHYSICS I

Statistical mechanics as a basis for thermodynamics; classical distribution functions; quantum statistical mechanics, kinetic theory, transport phenomena; application to systems of interacting particles. Prerequisites: PHYSICS 410, PHYSICS 471, PHYSICS 472. Offered: Fall Even Years.

3 hrs

PHYSICS 5541 STATISTICAL PHYSICS II

Special topics in advanced statistical physics including: second quantization, modern many body theory, interacting Fermi and Bose systems, superfluidity and superconductivity, renormalization group and computer simulation techniques. Prerequisite: PHYSICS 540. Offered: On Demand.

3 hrs

PHYSICS 5550 ATOMIC AND MOLECULAR STRUCTURE

Experimental results and theoretical models by quantum mechanics. Special emphasis on the interaction between radiation and matter. Offered: On Demand.

3 hrs

PHYSICS 5560 NUCLEAR PHYSICS

Fundamental properties of the atomic nucleus discussed in terms of experimental results and theoretical models. Quantum and statistical mechanics are used where appropriate. Offered: On Demand.

3 hrs

PHYSICS 5570 QUANTUM THEORY OF SOLIDS I

Lattice dynamics and thermal conductivity. Neutron scattering. Symmetry principles in crystals and consequences. Point group, space group and irreducible representations. Energy band theory and methods of band calculation. Elementary Theory of Magnetism. Spin wave theory. Offered: Winter Odd Years.

3 hrs

PHYSICS 5571 QUANTUM THEORY OF SOLIDS II

Topics will include crystal imperfections, impurities and defects, optical properties of metals and semiconductors, electron-lattice interaction and transport theory, superconductivity and theory of disordered systems. Offered: On Demand.

3 hrs

PHYSICS 5580 PHYSICS SEMINAR

Contemporary publications and research.

1 hr

PHYSICS 5590 TOPICS IN PHYSICS

Contemporary publications and research.

1-3 hrs

PHYSICS 5590 A TOPICS IN PHYSICS

Contemporary publications and research.

1-3 hrs

PHYSICS 5595 L COMPUTER INTERFACING LABORATORY

An introduction to computer interfacing through the use of serial and parallel ports and digital-to-analog and analog-to-digital converters. The course also introduces digital filtering techniques, data analysis techniques, and graphical presentation of data. The programming techniques are taught using high level programming languages currently used in research and development labs. Offered: Fall Even Years.

3 hrs

PHYSICS 5599 RESEARCH AND THESIS

Research for thesis in partial fulfillment of the master's degree in physics.

1-9 hrs

PHYSICS 5630 ADVANCED QUANTUM THEORY

Scattering theory and reactions, relativistic quantum mechanics and quantum field theory, many-body problems and Green functions. Prerequisites: PHYSICS 530-PHYSICS 531 or consent of instructor. Offered: Alternate Years Fall.

3 hrs

PHYSICS 5680 RESEARCH SEMINAR

Seminars on current research topics of research programs in the department and those of external distinguished scientists. (Must be taken by Physics Ph.D. students). Offered: Fall and Spring.

1-2 hrs

PHYSICS 5690 SPECIAL RESEARCH TOPICS

A lecture course presenting advanced research-level topics. Prerequisite: Ph.D. candidacy or consent of instructor. Offered: On Demand. This course is intended to allow faculty and visiting scholars to offer special courses in selected research areas.

1-3 hrs

PHYSICS 5699 RESEARCH AND DISSERTATION

Research for dissertation in partial fulfillment of the Ph.D. degree requirements in physics.

1-9 hrs

PHYSICS 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

PHYSICAL SCIENCE POLITICAL SCIENCE

POL-SCI 5505 SCOPE AND METHODS OF POLITICAL SCIENCE

This seminar surveys the various descriptive and quantitative approaches to the study of politics, government and public policy. It covers the methods used in various sub-disciplines and the models employed in political analysis.

3 hrs

POL-SCI 5513 COMPARATIVE POLITICS: ASIA, AFRICA, AND LATIN AMERICA

A comparison of politics in selected countries from one or more of these regions, with an emphasis on how and why processes differ and change.

3 hrs

POL-SCI 5521 JUDICIAL POLITICS

This course addresses broad trends of current research in the area of the judicial process based on empirical studies and the various methodological tools currently used by researchers. Case studies may be used to illustrate in depth the institutional aspects of the judicial process. Biographies may also be used to emphasize the personal and environmental factors which affect judicial decision making.

3 hrs

POL-SCI 5522 SEMINAR IN THE PRESIDENCY

Critical examination of the American presidency, with in-depth research into selected themes and presidents. Prerequisites: POL-SCI 406 or permission.

3 hrs

POL-SCI 5524 URBAN POLITICS

A seminar on politics and government in urban areas with special attention to community leadership, power structures, interest group and party activity, political behavior, and movements toward local government reform.

3 hrs

POL-SCI 5530 INTERNATIONAL RELATIONS

This course examines major schools of thought that attempt to explain contemporary and historical international politics. Topics discussed include international systems, the balance of power, collective security, and international political economy, morality, and law.

3 hrs

POL-SCI 5541 AMERICAN POLITICAL THOUGHT

This course will focus on intellectual reactions to the major periods in American history (the movement for independence, the writing of the constitution, the Jacksonian period, the civil war debate, the growth of big business, the rise of the positive state and contemporary America). Contemporary theorists will be included along with Jefferson, Madison, Hamilton and Marshall.

3 hrs

POL-SCI 5542 CONSTITUTIONAL INTERPRETATION

This course will provide an in-depth treatment of selected areas of constitutional development, related to various aspects of public policy developed under the Constitution through judicial interpretation, including federalism, equality, fundamental rights and freedom of expression.

3 hrs

POL-SCI 5570 THE POLITICS OF SOCIAL SECURITY

This course will concentrate upon the principles of social insurance in general, and of the American Social Security system in particular. It will consider the system in relation to the history and traditions of American society. It will analyze popular misconceptions and will pay special attention to the political, economic, and demographic issues relevant to Social Security's current operation and to the program's future.

3 hrs

POL-SCI 5575 POLITICAL IDEOLOGIES

Consideration of political ideologies and their effects, with in-depth research into selected topics.

3 hrs

POL-SCI 5580 GOVERNMENT AND POLITICS SEMINAR

Offered as a special seminar in the individual faculty member's area of research specialization. The seminar may be repeated for credit when the topic varies. The topic and instructor will be announced in advance.

3 hrs

POL-SCI 5590 DIRECTED STUDIES AND RESEARCH

Under the direction of the instructor, students in this course will produce a major research paper: a self-contained thesis chapter, an article for publication or the equivalent. May be repeated for credit.

1-6 hrs

POL-SCI 5599 THESIS

Directed specialized research.

1-6 hrs

POL-SCI 5680 TRADITIONS, THEORIES, AND TRENDS IN POLITICAL SCIENCE

This intensive survey of political science provides an opportunity for integration of the study of political values, behavior, and institutions with other social sciences.

3 hrs

POL-SCI 5688 DOCTORAL RESEARCH SEMINAR

Students will produce a major research paper under the direction of the instructor. The research project will consist of a self-contained chapter of the dissertation or a work of publishable quality. May be repeated for credit.

3 hrs

POL-SCI 5697 Doctoral-Level Independent Readings

Individual readings under the supervision of members of the Political Science Graduate or Doctoral Faculty in the specified topic or topics. May be repeated. May not be taken during an academic year in which a graduate course or seminar is offered on the topic.

3 hrs

POL-SCI 5697 A Doctoral-Level Ir: American National Politics And Institutions

3 hrs

POL-SCI 5697 I Doctoral-Level Ir: International Politics And Processes

3 hrs

POL-SCI 5697 L Doctoral-Level Ir: Public Law

3 hrs

POL-SCI 5697 O Doctoral-Level Ir: Public Opinion And Voter Behavior

3 hrs

POL-SCI 5697 R Doctoral-Level Ir: Research Methods

3 hrs

POL-SCI 5697 T Doctoral-Level Ir: Political Theory

3 hrs

POL-SCI 5697 U Doctoral-Level Ir: Urban And State Politics

3 hrs

POL-SCI 5699 Research And Dissertation

Directed specialized research.

1-12 hrs

POL-SCI 5899 Required Graduate Enrollment

1 hr

PSYCHOLOGY

PSYCH 5504 Contemporary Issues In Learning

A discussion and analysis of recent research and theoretical papers in learning. Prerequisite: PSYCH 304 or equivalent. The student will have to demonstrate undergraduate competence in learning in the first few weeks of this course in order to remain enrolled.

3 hrs

PSYCH 5505 Motivation

The definition of the concept of motivation is explored. Emphasis is placed upon integration of the concept of motivation into comprehensive theoretical explanations of phenomena. Students should have in their background a foundation in Learning Theory (or at least Theory Construction) and Experimental (Scientific Method). Previous laboratory experiences are desired.

3 hrs

PSYCH 5507 Cognitive Psychology

An overview of the cognitive approach to the study of human behavior. Recent research and theoretical issues in the areas of perception, memory, and concept formation are emphasized.

3 hrs

PSYCH 5509 Assessment 1: Intellectual And Cognitive Assessment

This course is designed to provide students with a foundation in the use of intellectual and cognitive assessment instruments in clinical evaluation. The course covers theoretical issues pertinent to intellectual and cognitive assessment, as well as basic assessment skills including administration, scoring, interpretation, and communication of results for commonly used measures. Prerequisites: Consent of instructor.

3 hrs

PSYCH 5510 ASSESSMENT METHODS IN PROFESSIONAL COUNSELING

This course provides an understanding of assesment process and assessment techniques. Skills and practice in selection, administration, and interpretation of representative assessment instruments. Two semester hours lecture, two semester hours lab experience per week. Cross-listed: CPCE 515. Prerequisite: Course on assessment of intellectual functioning

3 hrs

PSYCH 5511 PRINCIPLES OF ASSESSMENT IN PSYCHOLOGY

This will be a field practicum course in which test batteries will be used to assess and evaluate the intelligence, personality, and aptitude of the individual. Prerequisite: PSYCH 510 and consent of the instructor.

3 hrs

PSYCH 5512 CONTEMPORARY ISSUES IN SOCIAL PSYCHOLOGY

A critical survey of the recent literature in social psychology with emphasis on experimental investigations. Prerequisite: PSYCH 312.

3 hrs

PSYCH 5515 ADVANCED SYSTEMS AND HISTORY OF PSYCHOLOGY

In depth review of the major theoretical systems of psychology in terms of historical assumptions, methodologies and developments with the goal of enabling the student to better evaluate current theories and assumptions in psychology. Prerequisite: PSYCH 415 or equivalent.

3 hrs

PSYCH 5516 QUANT ANALYSIS 1: REGRESSION AND ANALYSIS OF VARIANCE

This graduate level statistics course for students in education and the behavioral sciences provides a strong conceptual understanding of two major statistical procedures with the context of the general linear model: multiple regression and numerous analysis of variance (ANOVA) models. Students will learn to select appropriate statistical techniques, tests the assumptions of the techniques, analyze data using statistical software, and report the results of their analyses in the format of the American Psychological Association (APA, 2002). Prerequisites: An introductory inferential statistics course (EDUC-R&P 505, PSYCH 316) and basic knowledge of research design (EDUC-R&P 505, PSYCH 302). Cross-listed: EDUC-R&P 605. Offered: FAll.

3 hrs

PSYCH 5517 QUANTITATIVE ANALYSIS II: ADVANCED TOPICS IN REGRESSION AND MDA

This graduate level statistics course for students in the behavioral sciences and education provides a strong conceptual understanding of advanced topics in regression (interaction effects, logistic regression, path analysis) and various multivariate techniques (MANOVA, canonical correlation, factor analysis). Students will complete a series of data based projects that allow them to demonstrate their skills in analysis, reporting and interpretation of findings. Prerequisites: EDUC-R&P 605/ PSYCH 516 and basic knowledge of SPSS or SAS software and research design (EDUC-R& P505, PSYCH 302). Cross-listed: EDUC-R&RP 606. Offered: Winter.

3 hrs

PSYCH 5518 ADVANCED BIOPSYCHOLOGY

This course assumes that the student has mastered the basics of biopsychology, and deals with this topic in greater depth and scope than PSYCH 418. It will begin with a brief review and update of basic materials of neuroanatomy, neuronal conduction, and synaptic transmission but will quickly turn to an emphasis on biological influences on human psychology, in particular those biological factors that are of practical significance in the lives of patient and non-patient populations. Prerequisite: PSYCH 418 or equivalent.

3 hrs

PSYCH 5521 ADVANCED SOCIAL PSYCHOLOGY

The study of the individual in a social context. How social structure and interaction influence the behavior of an individual. Several contemporary systematic positions will be compared. Prerequisite: PSYCH 312.

3 hrs

PSYCH 5522 CONTEMPORARY ISSUES IN DEVELOPMENTAL PSYCHOLOGY

A discussion of recent research literature in developmental psychology leading to an individual research project in this area. Prerequisite: PSYCH 322.

3 hrs

PSYCH 5523 SEMINAR PERSONALITY THEORY AND METHODOLOGY

A study of the social-cultural, trait, learning, perceptual, motivational, and field theories of personality with special emphasis on research studies and the methodology of personality research. Prerequisite: PSYCH 323.

3 hrs

PSYCH 5533 PSYCHOPATHOLOGY

A review of the experimental-clinical literature concerning the behavior disorders with special reference to their classification and etiology. Prerequisites: Consent of instructor required. Course generally will be restricted to students enrolled in license-eligible specialties who have had an undergraduate course in abnormal psychology.

3 hrs

PSYCH 5538 DEVELOPMENT AND EVALUATION OF ASSESSMENT TOOLS

This survey course examines test theories, construction, and measurement theories. Within the context of a variety of conceptual frameworks and examples, students become knowledgeable about the various purposes, approaches, and computer software tools for measurement. Prerequisites: PSYCH 516 and PSYCH 517 Offered: Every Winter

3 hrs

PSYCH 5540 THE PSYCHOLOGY OF AGING

This course will identify major issues concerning psychology related to aging. The major influences on the behavior, cognitive functioning and emotions of older adults will be examined. Consideration will be given to individual, group and environmental influences. Possible interventions will be identified. Cross-sectional and longitudinal research will be reviewed in order to examine the changes in individuals due to aging and the differences between cohort groups. Three major areas of information will be the focus: concepts, theory and methods in psychology of aging; biological and social influences on behavior; and behavioral processes. There will be a review of current literature.

3 hrs

PSYCH 5543 ADULT DEVELOPMENT AND AGING

This course will identify major themes and issues of mid-life and older adults. It will examine major developmental theories of adult development and aging. A contextual approach is stressed, including research and theory on the impact of cohort, gender, race/ethnicity, socioeconomic status, and culture on development. Application to real life is integrated throughout the course. There will be a review of current literature.

3 hrs

PSYCH 5550 FIELD PRACTICUM

Provides supervised experience working in community agencies/ organizations which address various human and social problems. Students receive training in community service oriented skills and approaches, e.g., advocacy, community organizing, program assessment, development and evaluation, outreach, and applied research. Ten hours per week at practicum site and class attendance are required. Prerequisite: Consent of instructor. Offered: Fall and winter.

4 hrs

PSYCH 5575 PROFESSIONAL ISSUES AND ETHICS IN PSYCHOLOGY

Ethical and legal problems of research and practice will be discussed. Professional organizations in psychology and their publications will be reviewed.

3 hrs

PSYCH 5575 A PROFESSIONAL ISSUES & ETHICS

3 hrs

PSYCH 5580 SPECIAL TOPICS

1-3 hrs

PSYCH 5580 AD SPECIAL TOPICS

1-3 hrs

PSYCH 5580 SM SPECIAL TOPICS

1-3 hrs

PSYCH 5582 COMMUNITY MENTAL HEALTH

A review of current theory and research. The emphasis is on prevention rather than treatment of mental health problems. The assets and liabilities of neighborhood communities for mental health problems will be discussed. Recent methods in crisis intervention are reviewed. Each student will be required to become familiar with a neighborhood with a high incidence of application for mental health care.

3 hrs

PSYCH 5586 THEORY, RESEARCH AND PRACTICE OF CONSULTATION

Theory and research on community, mental health, organizational and agency consultation. Entry, process, outcome and ethical issues surrounding each model of intervention will be explored. Each student will be expected to conduct and report on a consultation project.

3 hrs

PSYCH 5590 DIRECTED RESEARCH

1-6 hrs

PSYCH 5597 DIRECTED READINGS IN PSYCHOLOGY

Intensive readings in areas of joint interest to the enrolled student and the cooperating faculty. Prerequisite: Consent of instructor. Offered: Every Semester

3 hrs

PSYCH 5599 RESEARCH AND THESIS

1-9 hrs

PSYCH 5601 EXPERIMENTAL METHODS IN DESIGN AND ANALYSIS I

An examination of multifactor and multilevel designs and interactions. Topics covered will include randomized block designs. Latin square designs, complex trend analysis designs, covariance designs and multiple comparison of treatment means.

3 hrs

PSYCH 5604 FIELD PRACTICUM IN COMMUNITY PSYCHOLOGY

Supervised experience in health care, social welfare, correctional, political, ethnic, and neighborhood agencies. May be repeated six times for up to 18 credit hours. Each semester.

3 hrs

PSYCH 5611 THEORIES & METHODS OF ASSESSMENT & INTERVENTION/COMMUNITY PSYCH

Review of the assessment and intervention literature in social situations will be conducted. Students will design and carry out an assessment and an intervention project.

3 hrs

PSYCH 5612 PROGRAM EVALUATION AND RESEARCH DISSEMINATION

A study of the area of applied research in which process and outcome characteristics of programs are related explicitly to a set of values, such as program goals, objectives and costs.

3 hrs

PSYCH 5614 PREVENTION SCIENCE I: THEORIES, PRINCIPLES AND METHODS

Course provides a comprehensive overview of the field of prevention emphasizing basic concepts, conceptual models, and approaches associated with prevention in the field of psychology. The goal is to provide knowledge that will allow students to critically evaluate prevention programs in their communities. Students apply their learning by conducting a critical analysis of an existing community prevention and/or health promotion initiative. Prerequisite: none Offered: Every winter

3 hrs

PSYCH 5615 PREVENTION SCIENCE II: APPLICATIONS

This advanced seminar is the follow-up course to Prevention Science I. Emphasis is placed on the application of prevention science to specific content areas (e. g., substance abuse, violence in schools physical or sexual abuse, AIDS/HIV infection, infant mortality, cardiovascular disease, promoting social competence.) A semester project involves an in-depth review of prevention efforts in the chosen area of interest, resulting in a comprehensive research proposal and/or public policy analysis. Prerequisite: PSYCH 614 (Prevention Science I) Offered: Even years, fall semester, beginning 2000

3 hrs

PSYCH 5622 THEORETICAL AND ETHICAL ISSUES IN PROFESSIONAL PSYCHOLOGY

This course is designed to introduce first year doctoral students to the fundamental concepts and methods of psychology conceived as the application of scientific and ethical reasoning to human problems. It will provide an in-depth examination of the American Psychological Association code of ethics and its application to the conduct of psychologists. Critical and analytical thinking will be emphasized in all aspects of the course. The course will cover broad models of clinical and counseling psychology and their historical and scientific foundations, issues in diagnosis, cross-cultural applications and professional problems in light of ethical principles, professional standards, scientific data & multi-cultural contexts. Prerequisite: consent of the instructor. Offered: Fall.

3 hrs

PSYCH 5623 METHODS OF COUNSELING IN PROFESSIONAL PSYCHOLOGY

This course is designed to introduce students to the fundamental concepts and methods of counseling in professional psychology. Students will apply ethical and multicultural principles to the helping relationship while learning the basic methods of humanistic, psychodynamic, and cognitive behavioral approaches as they related to the helping process. A main focus of this course is the acquisition of basic helping skills. Students will also become familiar with counseling outcome research and will increase their level of counselor self-awareness. Prerequisite: PSYCH 622. Cross-listed: CPCE 530 Offered: Winter.

3 hrs

PSYCH 5625 HEALTH RESEARCH METHODS: INTRO TO EPIDEMIOLOGY & CLINICAL TRIALS

This course will introduce graduate students in health-related disciplines to research methods utilized in understanding disease and health risk in humans and conducting intervention trials. Students will learn about how edidemiology contributes to: 1) identifying factors that cause diseases; 2) assessing the public health importance of diseases; 3) describing the natural history of diseases; and 4) evaluating procedures for preventing or treating diseases. After completing this course, students should be able to read and summarize epidemiological research papers and answer questions about a study's purpose, design, methods of procedure, results, and major strengths and weaknesses. Prerequisites: Admission to graduate standing; PSYCH 601, or equivalent. Offered: Every Winter

3 hrs

PSYCH 5631 THEORETICAL FOUNDATIONS OF HEALTH PSYCHOLOGY

This course will introduce students to the theoretical foundations of health psychology, including the Biopsychosocial model, individual and systems level theories of behavior change, stress and coping, disease prevention and health promotion, as well as adherence and relapse models. Upon completion of this course students will possess a broad understanding of how cognitive, behavioral, and social factors interact with biological parameters in influencing morbidity and mortality. In addition, students will become familiar with several substantive areas (e.g., chronic pain, HIV/AIDS, cancer, sleep disorders, cardiovascular risk reduction), research methods, and multicultural and ethical issues in health psychology.

3 hrs

PSYCH 5632 HEALTH PSYCHOLOGY INTERVENTIONS

This course will introduce students to a wide range of psychological assessment and intervention strategies that can be used in health care settings. Individual, group, community and policy interventions will be discussed. This course may b used for credit in the Health Psychology Discipline of the Interdisciplinary Ph.D. Program. Prerequisite: PSYCH 631 and consent of instructor. Offered: Every Winter

3 hrs

PSYCH 5638 SEMINAR IN HEALTH CARE LEADERSHIP

This course is designed to offer an educational experience that fosters both the knowledge and skills needed for leaders of healthcare in the future. The instructors will guide students through the process of generating new thinking, creating new knowledge, and enhancing interpersonal and professional effectiveness. Course topics will include what creates health and quality of life, social capital and health, healthcare policy, collaborative problem-solving, and transformational leadership and systems thinking.

3 hrs

PSYCH 5650 CLINICAL PRACTICUM

Advanced supervised assessment and psychotherapy with individuals and groups in applied settings. Preregistration by application to instructor at least 60 days prior to the beginning of the semester. Approval by Psychology Director of Clinical training required. Prerequisite: PSYCH 623 and consent of instructor and Director of Clinical Training.

1-6 hrs

PSYCH 5660 CLINICAL HEALTH PSYCHOLOGY INTERNSHIP

Planned sequence of training experiences in an organized program designed to prepare students for the practice of professional psychology. Prerequsite: Consent of instructor

1-6 hrs

PSYCH 5696 PRE-DISSERTATION

Individualized research experiences to prepare students for the conduct of the dissertation. Pre-requisite: consent of instructor. Offered: continuous Every semester.

1-12 hrs

PSYCH 5699 RESEARCH AND DISSERTATION

1-16 hrs

PSYCH 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

SOCIAL WORK (SW)

SOC-WK 5510 FOUNDATION FIELD PRACTICUM I

Students spend 16-hours weekly in a generalist field practicum setting under MSW supervision Participation in a 12-hour integrated field seminar on campus led by faculty is required. Must take one human behavior course (SOC-WK 5530 or SOC-WK 5531) prior to entering or concurrently with field placement. Must take SOC-WK 5532 concurrently.

3 hrs

SOC-WK 5511 FOUNDATION FIELD PRACTICUM II

Students continue the field practicum experience from SOC-WK 5510 and participation in the integrated seminar on campus. Focus on generalist knowledge, values, and skills. Prerequisite: Completion of SOC-WK 5510 and SOC-WK 5532. Must take SOC-WK 5533 concurrently.

3 hrs

SOC-WK 5512 ADVANCED FIELD PRACTICUM I

Students are placed in a field setting in their chosen field-of-practice concentration approximately 16 hours per week under the supervision of an MSW field instructor. SOC-WK 5540 must be taken concurrently. One concentration seminar must be taken prior to or concurrently with entering this field placement.

3 hrs

SOC-WK 5513 ADVANCED FIELD PRACTICUM II

Students complete a final semester in their field-of-practice concentration agency setting approximately 16 hours weekly under MSW supervision. SOC-WK 5541 must be taken concurrently.

3 hrs

SOC-WK 5530 HUMAN BEHAVIOR: INDIVIDUALS IN THE SOCIAL ENVIRONMENT

This theory course focuses on the interactional context of human behavior essential to all social work practice. A variety of perspectives are considered in the understanding of the individual; developmental, ecosystemic, biopsychosocial, traditional, and alternative. Diversity and resiliency are the are key course concepts.

3 hrs

SOC-WK 5531 HUMAN BEHAVIOR: FAMILIES, GROUPS, ORGANIZATIONS, AND COMMUNITIES

This theory course applies social work's ecosystemic framework to the understanding of human behavior in families, groups, organizations, and communities. Knowledge and applied theories and paradigms are examined that honor social justice, human diversity, strenghts/assets, and community-building to enhance effective social work practice. Prerequisite: SOC-WK 5530

3 hrs

SOC-WK 5532 FOUNDATIONS OF SOCIAL WORK PRACTICE I

This course examines the fundamental knowledge, values, and skills of generalist social work practice with a focus on person-in-environment. Course topics include values and ethics, collaborative approaches to helping,stages of the helping process, and beginning practice skills with at-risk populations. Concurrent enrollment in SOC-WK 5510 is required.

3 hrs

SOC-WK 5533 FOUNDATIONS OF SOCIAL WORK PRACTICE II

This second generalist social work practice course examines effective helping approaches with diverse families, small groups, and communities of identify and/or place. The course also introduces values and working styles for professional practice in organizations. Pre-requisite: SOC-WK 5532 and SOC-WK 5510. Concurrent enrollment in SOC-WK 5511 is required.

3 hrs

SOC-WK 5534 SOCIAL WELFARE PROGRAMS AND POLICIES

This course examines social policies that direct current social service trends at local, state, and federal levels. Students learn a model of analysis that examines the context in which policy decisions are made and the effects that social service programs and policies have on people's lives.

3 hrs

SOC-WK 5535 SOCIAL WELFARE POLICY PRACTICE

This course prepares students with a social justice/empowerment orientation and the knowledge, skills and values needed to become an effective policy advocate, particularly with people who experience the effects of poverty, discrimination, exclusion, and oppression. Pre-requisite: SOC-WK 5534

3 hrs

SOC-WK 5536 SOCIAL WORK RESEARCH METHODS

This course introduces students to the fundamental knowledge and skills of social work research such as practice evaluation, program planning, and other facets of professional social work practice. Emphasis on application of social research methods in actual practice situations will be used to assist students in skill development.

3 hrs

SOC-WK 5537 QUANTITATIVE SOCIAL WORK RESEARCH METHODS

This course is designed to prepare graduate level students to develop a comprehensive understandig of statistical method application to social work research. Students will gain a basic understanding of the research and statistical procedure that are needed for clinicians/researcher to operate within the field today. Students will become proficient in reading analyzing and assessing the results of social work publications. Prerequisite: SOC-WK 5536 Social Work Research Method

3 hrs

SOC-WK 5538 ADVANCED STANDING SEMINAR: CONTEMP TRENDS IN SOCIAL WORK PRACTICE

This required seminar is designed for BSW's entering the Advanced Standing Program and serves to update and integrate social work practice approaches with contemporary perspectives of human behavior in the social environment. Restriction: Restricted to Advanced Standing Students.

3 hrs

SOC-WK 5539 ADV STANDING SEM: EMERGING ISS IN SOC WELFARE POLICY AND RESEARCH

This required seminar in the Advanced Standing Program examines emerging policy issues and research developments in the field. Students prepare to choose a field-of-practice concentration and to enter the Advanced-level year of study. Restriction: Restricted to Advanced Standing Students.

3 hrs

SOC-WK 5540 ADVANCED SOCIAL WORK PRACTICE I

This course prepares students with an advanced generalist social work perspective and to evaluate and integrate theory, values, and skills for assessment and direct practice with complex case situations in a rapidly changing service environment. Must Be taken concurrently with SOC-WK 5512. Prerequisite: Completion of foundation year.

3 hrs

SOC-WK 5541 ADVANCED SOCIAL WORK PRACTICE II

This course extends the advanced generalist model of social work practice to working with challenging families and small groups. The course introduces leadership, organizational, and management competencies for professional practice in social service agencies and skills for coalition-building and collaboration in communities. Must be taken concurrently with SOC-WK 5513. Prerequisite: Completion of foundation year.

3 hrs

SOC-WK 5542 SOCIAL SERVICES WITH OLDER ADULTS

This course provides an overview of social service practice with older adults. Students examine population demographics, identify normal and abnormal aspects of aging, and examine methods, paradigms, and approaches to effective advanced generalist practice in treatment and community settings. Prerequisite: Completion of foundation year.

3 hrs

SOC-WK 5544 FAMILIES, COMMUNITIES AND CHILD WELFARE

This course examines child centered, family centered and neighborhood based approaches to child welfare. Prerequisites: Completion of Social Work Foundation Sequence

3 hrs

SOC-WK 5546 MENTAL HEALTH AND SUBSTANCE ABUSE IN SOCIAL WORK PRACTICE

This course examines current practice approaches and policy/research issues in mental health and in the dually diagnosed. Students focus on service delivery systems of care with a variety of adult populations from an empowerment perspective. Prerequisite: Completion of foundation year.

3 hrs

SOC-WK 5550 PROGRAM EVALUATION AND MANAGEMENT

this course is designed to train students in evaluation of direct practice, community needs and underserved populations. Students develop a new or enhanced model of service delivery to address needs. Strategic planning, management in theories and grant writing and major components of this course. Prerequisites: Completion of foundation year.

3 hrs

SOC-WK 5560 PSYCHOPATHOLOGY: A COMPETENCY BASED ASSESSMENT MODEL IN SOCIAL WORK PRACTICE

The DSM will be used in conjunction with a competency-based assessment model that includes an ecological approach and systems theory to determine what biopsychosocial factors have contributed to the client's problem. The multi-axial system become a tool to gather information, that supports the competency-based assessment. Prerequsites: Foundation Coursework Offered: Every Fall

3 hrs

SOC-WK 5562 FAMILY ORGANIZATION AND DEVELOPMENT: MULTI-SYSTEMS INTERVENTIONS

This course examines developmental, structural, systemic family therapy and multi-system interventions. Prerequisites: Completion of Social Work Foundation

3 hrs

SOC-WK 5564 ADVANCED GROUP THERAPY FOR SOCIAL WORK PRACTICE

This course provides both a didactic and experiential introduction to advanced group therapy for social work practice, explores the therapeutic factors, norms and their creation, the role of leader and termination as a group experience. Offered: On Demand

3 hrs

SOC-WK 5566 FAMILY AND COMMUNITY VIOLENCE

Students will consider the sources of interpersonal violence. The causes and forms of community and family violence will be examined in relationship to the impact of individuals, families and communities. Prevention and intervention models will be studied and developed. Prerequisites: Completion of Social Work Foundation Sequence

3 hrs

SOC-WK 5568 SCHOOL SOCIAL WORK PRACTICE

Students will learn the knowledge and skills required for performing roles and functions of school social work in K-12 settings. They will apply social systems and the strengths perspectives within the context of school as organizations interconnected to community environments. Offered: On Demand

3 hrs

SOC-WK 5575 ADVANCED GENERALIST COMMUNITY PRACTICE

This seminar covers community social work practice at the advanced level addressing values, knowledge and skills essential for community social change. Models of community practice are addressed to facilitate student skill applicant in social planning, community development, and community collaboration strategies. Each model requires knowledge of large systems practice. Prerequistes: Completion of 30 crs or Required Foundation Curriculum Offered: Every Winter on Demand

3 hrs

SOC-WK 5579 INTEGRATION SEMINAR IN SOCIAL WORK

This course, taken in the last semester, serves as a final integration of advanced generalist competencies in an urban environment. Students prepare a major project for presentation in a public forum.

3 hrs

SOC-WK 5580 SPECIAL TOPICS IN SOCIAL WORK

These seminars are designed to examine relevant and innovative areas emerging in social work practice which are not available in the regular course offerings. Topics, instructors, and prerequisites are listed in the semester bulletin. Prerequisite: Completion of foundation year.

1-3 hrs

SOC-WK 5590 READINGS AND INVESTIGATIONS IN SOCIAL WORK

Under the direction of a faculty member, individual students may pursue an in-depth area of study in generalist social work practice, including a research project of the student's choice. Prerequisite: Permission of Director and Curriculum Committee.

1-3 hrs

School of Biological Sciences

School of Biological Sciences Courses Biology Biology (BIOL)

BIOLOGY 5519 **Principles Of Evolution**

Synthesis of the modern concepts of evolution. Discussion of the biological processes that produce organic diversity through phyletic change. Discussed are variation, mutation, population genetics, natural selection and adaptation. Three hours lecture a week. Prerequisites: BIOLOGY 206 or consent of instructor.

3 hrs

BIOLOGY 5525 **Bioinformatics And Data Analysis**

Methods and procedures for the storage, retrieval and analysis of information in biomolecular and biological databases. Emphasis will be given to the use of database information in biological research and to recent developments in genomics and proteomics. Offered: Every Winter Prerequisites: LS-BIOC 341, LS-BIOC 360, upper level undergraduate biochemistry or molecular genectics course, or permission of instructor.

3 hrs

BIOLOGY 5534 **Cardiovascular Pulmonary Physiology**

Function of the cardiovascular and pulmonary systems at the cellular, tissue, and system levels with particular emphasis on regulation, maintenancy of homeostasis and integration with other systems. Consent number required. Restricted to SBS graduate students and interdisciplinary Ph.D students. Prerequisites: LS-PHYSICS 316 or equivalent.

3 hrs

BIOLOGY 5539 **Mammalian Physiology**

Study of the physiological functions and controls in human and related mammalian systems, with emphasis on fundamental processes that underlie normal and abnormal clinical conditions. Prerequisites: LS-PHYSICS 316 or equivalent. Restricted to SBS graduate students and interdisciplinary Ph.D students. Consent required. Offered: Every Fall

4 hrs

BIOLOGY 5542 **Neurobiology**

Neurobiology will consist of the presentation of theory and data concerning cellular and molecular fundamentals of the nervous system, synaptic mechanisms, sensor-motor systems, and higher-order functions of the nervous system. Three hours of lecture per week. Consent number required Restricted to SBS graduate students and interdisciplinary PhD students. Prerequisites: LS-BIOC 304

3 hrs

BIOLOGY 5591 **Directed Individual Studies**

Intensive readings and/or research in an area selected by the graduate student in consultation with the instructor. Not to be identified with thesis research. Restricted to SBS graduate students and Interdisciplinary Ph.D. students.

1-6 hrs

BIOLOGY 5592 **Master Of Arts Topics In Biology**

Special problems and topics in biology specifically intended to satisfy the project or report requirement for the master of arts degree in biology. Enrollment is restricted to persons having satisfactorily completed at least nine hours of graduate work in Biology. Restricted to SBS graduate students.

1-6 hrs

BIOLOGY 5593 **Master Of Science Topics**

Investigation of problems and topics to satisfy the M.S. topics requirement for the master of science degree in Cellular and Molecular Biology. Restricted to SBS graduate students. Prerequisites: LS-MBB 5561 and LS-MBB 5562.

1-4 hrs

BIOLOGY 5899 **Required Graduate Enrollment**

1 hr

Life Sciences (LS)

LIFE-SCI 5899 **Required Graduate Enrollment**

1 hr

Life Sciences - Anatomy (LSANAT) Life Sciences - Biochemistry (LSBIOC) Life Sciences - Microbiology (LSMCRB) Life Sciences - Physiology (LSPHYS) Cell Biology and Biophysics (LSCBB)

LS-CBB 530 **Prokaryotic Molecular Biology**

Molecular aspects of gene structure and function in microorganisms and their viruses. Emphasis on macromolecular synthesis, regulation of gene expression, genetic transfer and recombinant DNA techniques. Prerequisite or corequisite: LSMBB 561 and 562.

3 hrs

LS-CBB 5505 MOLECULAR AND CELLULAR NEUROBIOLOGY

The molecular basis of chemical and electrical communication between nerve cells. Topics will include: neurotransmitters, neuropeptides, receptors, channels, second messengers, cytoskeleton, cell adhesion, development, neuronal plasticity and psychopharmacology. Prerequisite or corequisite: LS-MBB 5561 and LS-MBB 5562.

3 hrs

LS-CBB 5520 CELL AND MOLECULAR

A presentation of the cellular and subcellular organization and function of eukaryotic cells. Discussions will emphasize basic concepts by which structure and functions are integrated. Prerequisite or co-requisite: LS-MBB 5561 and LS-MBB 5562.

3 hrs

LS-CBB 5538 MOLECULAR RECOGNITION IN CELLULAR BIOLOGY

Graduate Research Seminar. Studies of the latest development leading to an increased understanding of cellular biology processes when the experimental tools for structure biology analysis and molecular genetics are applied. Prerequisites: LS-MBB 5561 as co-or pre-requisite, or permission of SBS graduate advisor. Offered: Fall

2 hrs

LS-CBB 5566 MEMBRANE BIOCHEMISTRY AND BIOPHYSICS

Structure and function of biological membranes including architecture, dynamics, models, biochemical compartmentation, energy transduction, transport mechanisms, membrane protein structures, and cell surface receptors. Prerequisite or corequisite: LS-MBB 5561 and LS-MBB 5562.

3 hrs

LS-CBB 5569 STRUCTURAL BIOLOGY, METHODS AND STRATEGIES

Analysis of strategies and methodologies such as X-ray crystallography, nuclear magnetic resonance and advanced microscopy procedures including imaging analysis for the study of relationships of higher order macromolecular structures to biological functions. Prerequisites: LS-MBB 5561 AND LS-MBB 5562. Restrictions: Restricted to AU 60 and 73 students.

3 hrs

LS-CBB 5583 CURRENT TOPICS IN CELL BIOLOGY AND BIOPHYSICS

Current topics and recent developments in cell biology and biophysics with emphasis on rapidly developing research areas. Prerequisite or co-requisite: LS-MBB 5561 and LS-MBB 5562. Restricted to SBS graduate students and Interdisciplinary Ph.D. students.

1-3 hrs

LS-CBB 5591 DIRECTED INDIVIDUAL STUDIES IN CELL BIOLOGY AND BIOPHYSICS

Intensive reading and/or research in an area selected by the graduate student in consultation with the instructor. Prerequisites: Prerequisite or corequisite: LS-MBB 5561 and LS-MBB 5562. Restricted to SBS graduate students and Interdisciplinary Ph.D. students.

1-6 hrs

LS-CBB 5596 ADVANCED EXPERIMENTAL CELL BIOLOGY I

Structured laboratory work with individual tutorial sessions designed to familiarize first year Interdisciplinary Ph.D. students with concepts and techniques of modern cell biology research. 1-2 hr/wk tutorial and 15-20 hr/wk of laboratory work. Prerequisite or co-requisite: LS-MBB 5561. Restricted to Interdisciplinary Ph.D. students with CBB or MBB as coordinating unit.

2 hrs

LS-CBB 5597 ADVANCED EXPERIMENTAL CELL BIOLOGY II

Continuation of LS-CBB 5596. Prerequisite or corequisite: LS-MBB 5561 and LS-MBB 5562. Restricted to Interdisciplinary Ph.D. students with CBB or MBB as coordinating unit.

2 hrs

LS-CBB 5599 THESIS RESEARCH IN CELL BIOLOGY AND BIOPHYSICS

Research and thesis preparation for M.S. degree candidates. Prerequisite or co-requisites: LS-MBB 5561 and LS-MBB 5562. Restricted to School of Biological Sciences graduate students and Interdisciplinary Ph.D. students.

1-12 hrs

LS-CBB 5612 SEMINAR IN CELL BIOLOGY AND BIOPHYSICS

Presentation and discussion of selected areas in cell biology and biophysics. This course may be repeated by doctoral students for a maximum of 3 credit hours. Prerequisite or corequisite: LS-MBB 5561 and LS-MBB 5562.

1 hr

LS-CBB 5690 Analytical Methods In Cell Biology And Biophysics

A course that emphasizes the development of skills in experimental design, analytical methods and instrumentation as applied to problems of interest to modern cell biology and biophysics, and analysis of results. Can be repeated up to a maximum of eight hours total. Prerequisites: LS-MBB 5561 and LSMBB 5562; admission in I.Ph.D program with CBB as coordinating or co-discipline; can only be taken prior to reaching candidacy.

1-4 hrs

LS-CBB 5699 Dissertation Research In Cell Biology And Biophysics

Research and dissertation preparation for interdisciplinary Ph.D. degree students who have Cell Biology and Biophysics as a discipline. Prerequisite or corequisite: LS-MBB 5561 and LS-MBB 5562. Restricted to SBS graduate students and Interdisciplinary Ph.D. students.

1-12 hrs

MOLECULAR BIOLOGY AND BIOCHEMISTRY (LSMBB)

LS-MBB 5503 Eukaryotic Molecular Biology

Molecular aspects of gene structure and function in eukaryotic organisms and their viruses. Emphasis on genome structure and organization, gene expression and regulation and the molecular basis of growth and development. Prerequisite or Co-requisite: LS-MBB 5561 and LS-MBB 5562.

3 hrs

LS-MBB 5538 Molecular Recognition In Molecular Biology

Graduate Research Seminar. Analysis of the impact of most recent developments in molecular genetics and structural biology as related to fundamental molecular recognition events. Prerequisites: LS-MBB 5561 as co-or pre-requisite, or permission of SBS graduate advisor. Offered: Winter

2 hrs

LS-MBB 5561 General Biochemistry I

The first semester of a two-semester sequence in general biochemistry. This course will emphasize the structure of biological molecules, thermodynamics and kinetics of biological reactions, and selected aspects of energy metabolism and metabolic pathways. Prerequisite: CHEM 322R.

4 hrs

LS-MBB 5562 General Biochemistry II

The second semester of a two-semester sequence in general biochemistry. This course will emphasize selected aspects of the biochemistry of metabolism and macromolecular assemblies. The molecular basis of genetic and metabolic regulation will be discussed. Prerequisite: LS-MBB 5561.

4 hrs

LS-MBB 5565 Structure And Function Of Proteins

This course will discuss structure-function relationships of proteins. Topics will include: methods of structure-function analysis, catalytic mechanisms, and regulation of enzyme activity. Prerequisite or corequisite: LS-MBB 5561 and LS-MBB 5562.

3 hrs

LS-MBB 5567 Physical Biochemistry

Application of physical and chemical principles to elucidate structure and function of biochemical systems. The various modes of interactions between biologically important molecules and the specificity of their interaction will be examined through selected literature examples. Prerequisite or co-requisite: LS MBB 5561 and LS-MBB 5562.

3 hrs

LS-MBB 5569 Current Topics In Molecular Biology And Biochemistry

Current topics and recent developments in biochemistry and molecular biology with emphasis on rapidly developing research areas. Prerequisite or co-requisite: LS-MBB 5561 and LS-MBB 5562. Restricted to SBS graduate students and Interdisciplinary Ph.D. students.

1-3 hrs

LS-MBB 5591 Directed Individual Studies In Molecular Biology And Biochemistry

Intensive readings and/or research in an area selected by the graduate student in consultation with the instructor. Prerequisite or co-requisite: LS-MBB 5561 and LS-MBB 5562. Restricted to SBS graduate students and Interdisciplinary Ph.D. students.

1-6 hrs

LS-MBB 5596 Advanced Experimental Molecular Biology I

Structured laboratory work with individual tutorial sessions designed to familiarize first year Interdisciplinary Ph.D. students with concepts and techniques of modern molecular biology research. 1-2 hr/wk tutorial and 15-20 hr/wk of laboratory work. Prerequisite or co-requisite: LS-MBB 5561. Restricted to Interdisciplinary Ph.D. students with CBB or MBB as coordinating unit.

2 hrs

LS-MBB 5597 Advanced Experimental Molecular Biology II

Continuation of LS-MBB 5596. Prerequisite or co-requisite: LS-MBB 5561 and LS-MBB 5562. Restricted to Interdisciplinary Ph.D. students with CBB or MBB as coordinating unit.

2 hrs

LS-MBB 5599 Thesis Research In Molecular Biology And Biochemistry

Research and thesis preparation for M.S. degree candidates. Prerequisite or co-requisite: LS-MBB 5561 and LS-MBB 5562. Restricted to School of Biological Sciences graduate students and Interdisciplinary Ph.D. students.

1-12 hrs

LS-MBB 5611 Seminar In Molecular Biology And Biochemistry

Presentation and discussion of selected areas in biochemistry and molecular biology. This course may be repeated by doctoral students for a maximum of 3 credit hours. Prerequisite or co-requisite: LS-MBB 5561 and LS-MBB 5562.

1 hr

LS-MBB 5690 Analytical Methods In Molecular Biology And Biochemistry

A course that emphasizes the development of skills in experimental design, analytical methods and instrumentation as applied to problems of interest to modern molecular biology and biochemistry, and analysis of results. Can be repeated up to a maximum of eight hours total. Prerequisites: LS-MBB 5561 and LS-MBB 5562; admission into I.Ph.D. program with MBB as coordination or co-discipline; can only be taken prior to reaching candidacy.

1-4 hrs

LS-MBB 5699 Dissertation Research In Molecular Biology And Biochemistry

Research and dissertation preparation for interdisciplinary Ph.D. program students who have Molecular Biology and Biochemistry as a discipline. Prerequisite or co-requisite: LS-MBB 5561 and LS-MBB 5562. Restricted to SBS graduate and Interdisciplinary Ph.D. students.

1-12 hrs

Henry W. Bloch School of Business and Public Administration

Bloch School of Business & Public Administration Courses Accounting (ACCTNG)

ACCTNG 5517 Survey Of Accounting

An overview of financial and managerial accounting. The course introduces the various reports that are used by stockholders, creditors, and managers to assess company performance and evaluate financial health. In addition, techniques are presented that assist firm managers in planning, control, and decision-making activities.

3 hrs

ACCTNG 5539 Accounting Information For Management Planning & Control

This course covers the use of financial information in management decision-making. Topics include profitability and performance measurement issues, and activity-based management and decision support. Prerequisites: Admission to Executive MBA program

2 hrs

ACCTNG 5556 Cost Management

A study of the principles and techniques of cost accounting with emphasis on the structure of cost accounting systems and the processing, summarizing, and reporting of cost information. Topics include various issues relevant for manufacturing and service organizations, and introduction of situations that requires the application of cost information to managerial settings. Prerequisite: ACCTNG 5517 or equivalent. NOT open to students who have completed ACCTNG 307 or equivalent.

3 hrs

ACCTNG 5557 Introduction To Income Taxation

An investigation of the structure of federal, state, and local taxation, along with an examination of the impact of taxes on the management decision process. Prerequisite: ACCTNG 5517 or equivalent. NOT open to students who have completed ACCTNG 408 or equivalent.

3 hrs

ACCTNG 5558 Financial Accounting Theory

A study of the theory and practice of financial accounting with emphasis upon financial statement preparation and analysis of asset, liability, and equity measurement. Prerequisite: ACCTNG 5517 or equivalent. NOT open to students who have completed ACCTNG 310 or equivalent.

3 hrs

ACCTNG 5559 Advanced Financial Accounting Theory

A study of advanced topics in financial accounting. Topics include business combinations and financial statement consolidation theory and practice. Prerequisite: ACCTNG 311 or equivalent.

3 hrs

ACCTNG 5560 Introduction To Auditing And Accounting Systems

Fundamentals underlying the design of accounting systems and the processing of accounting data. Current auditing standards and procedures are extensively investigated, with emphasis on the nature of internal control, audit evidence,and audit reports. Prerequisites: ACCTNG 5558. Not open to students who have completed ACCTNG 405 or equivalent.

3 hrs

ACCTNG 5561 PERSONAL FINANCIAL PLANNING

A study of the personal financial planning process and environment, with the goal of training participants to prepare integrated financial plans. Topics addressed include an overview of insurance, retirement, investments, debt management, tax issues, estate planning and professional ethics. Prerequisite: ACCTNG 5517 or equivalent.

3 hrs

ACCTNG 5562 FINANCIAL STATEMENT ANALYSIS

A look at financial statements prepared by corporations for external use. The course provides students with the ability to organize, summarize, and understand corporate financial data for use in decision making. The subject matter should be especially useful for students considering careers in accounting, finance and financial services, and law. Prerequisite: ACCTNG 5517 or equivalent.

3 hrs

ACCTNG 5565 ADVANCED ACCOUNTING SYSTEMS

An in-depth analysis of various contemporary issues in accounting information systems. Prerequisite: ACCTNG 350 or its equivalent or permission of instructor.

3 hrs

ACCTNG 5567 INFORMATION SYSTEMS CONTROL AND AUDIT

A study of the theory and practices employed to provide a secure computing environment. Potential threats to information systems as well as controls designed to counter those threats are emphasized. Prerequisite: One previous graduate course in accounting systems, management information systems, or computer science, or permission of the instructor.

3 hrs

ACCTNG 5569 INFORMATION SYSTEMS CONSULTING

An application of systems concepts to the evaluation of information systems of local organizations. Student teams will analyze, document and make recommendations for the improvement of these systems, and will communicate their findings via written reports and oral presentations. Prerequisite: One graduate information systems course or permission of instructor.

3 hrs

ACCTNG 5571 INDIVIDUAL TAX PROBLEMS

A study of substantive issues relating to individual taxation using the Internal Revenue Code and Regulations as sources. Topics include a detailed study of current issues such as alternative minimum tax, passive losses, and employee business expenses. Prerequisite: ACCTNG 5557 or equivalent or concurrent enrollment in ACCTNG 409.

3 hrs

ACCTNG 5572 TAX THEORY AND BUSINESS APPLICATIONS

A study of substantive issues relating to the taxation of business entities including multi-jurisdictional considerations. Topics include business formation and dissolution, business valuation, selection of business entity, compensation of employees, sales or exchanges of business property, and business tax credits. Prerequisite: ACCTNG 409 or ACCTNG 5557 or concurrent enrollment in ACCTNG 409.

3 hrs

ACCTNG 5573 TAXATION OF ESTATES, GIFTS, AND TRUSTS

A study of substantive issues in the income taxation of estates and trusts and the taxation of estates and gifts using the Internal Revenue Code and Regulations as sources. Emphasis will be placed on lifetime and post-mortem planning techniques as well as compliance requirements. Prerequisite: ACCTNG 409 or ACCTNG 5557 or concurrent enrollment in ACCTNG 409.

3 hrs

ACCTNG 5574 TAX ACCOUNTING

A study of substantive issues relating to the accounting aspects of federal income taxation. Topics include methods of income and expense reporting, adoption of and change in accounting periods and methods, and annual accounting and transactional concepts. Prerequisite: ACCTNG 409 or ACCTNG 5557 or concurrent enrollment in ACCTNG 409.

3 hrs

ACCTNG 5575 MANAGERIAL ACCOUNTING: ISSUES, TOOLS AND ANALYSIS

A look at various tools used to assist in the planning, control, performance evaluation, and decision-making activities of managers. Contemporary issues that confront management are introduced where appropriate. Prerequisite: ACCTNG 307 or ACCTNG 5556 or equivalent.

3 hrs

ACCTNG 5576 TAX RESEARCH, PROCEDURE AND PRACTICE

An introduction to research sources and methods with an emphasis on analysis and communication of conclusions. Administrative procedures of the Internal Revenue Service and the professional responsibilities of tax practitioners will also be addressed. Prerequisite: ACCTNG 409 or ACCTNG 5557 or concurrent enrollment in ACCTNG 409.

3 hrs

ACCTNG 5577 ADVANCED AUDITING

An analysis of real-world cases of audit problems with emphasis on red flags, pressures auditors face, and serious implications of audit failure (both perceived and real). Prerequisite: ACCTNG 405 or equivalent

3 hrs

ACCTNG 5578 CURRENT PROBLEMS IN ACCOUNTING

This course will focus on an in-depth exploration of specific problems including, but not confined to those accounting problems which have resulted in official positions being published or considered by the accounting profession. Prerequisite: ACCTNG 420 or equivalent or concurrent enrollment in ACCTNG 420.

3 hrs

ACCTNG 5579 THEORY OF INCOME DETERMINATION

This course will consider the historical and cultural development of accounting principles and the relationship of those principles to economic concepts of profit and cost. Consideration of the economic aspects of accounting measurements will provide a vehicle for exploring accounting problem areas in terms of both internal and external reporting needs. Pertinent literature in the field will be explored as a basis for both oral and written reports. Prerequisites: ACCTNG 420 or equivalent, or concurrent enrollment in ACCTNG 420.

3 hrs

ACCTNG 5580 FINANCIAL REPORTING SYSTEMS

Introduces generally accepted accounting principles and concepts along with the preparation and analysis of financial statements.Prerequisite: Admission to Executive MBA Program.

2 hrs

ACCTNG 5587 SPECIAL TOPICS

This course is designed to facilitate one of two purposes: an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics. Prerequisite: Consent of the instructor

3 hrs

ACCTNG 5595 INTERNSHIP

An opportunity for students to integrate their academic studies via employment with a business/organization in the community. Prerequisite: Admission only by prior approval and consent of instructor.

1 hr

ACCTNG 5597 INDEPENDENT STUDY

Independent study and research in areas of special interest under indivudual faculty direction.Prerequisite: Preregistration consent of instructor.

1-3 hrs

ACCTNG 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

BUSINESS MANAGEMENT AND ADMINISTRATION (BMA)

BMA 5580 ORGANIZATIONAL VALUATION & FINANCIAL MODELING

This course will cover the concept of risk and reqard and that to eliminate risk is the eliminate reqard. We willdelve into how mangement consifers the entity's risk appetire in evaluting strategic alternatives, settin related objectives and developing mechanisms to maage related risks.

2 hrs

BMA 5587 K GLOBAL INITIATIVES IN MANAGEMENT

An overview of how China is restoring its glory by infusing modern technology and market economics into a non-democratic system. The course will show how accelerating growth will lead to radical restructuring of the global business system and will provide insights into China's impact on the global economy.Prerequisites: Admission to the Executive MBA Program

2 hrs

BMA 5587 L INTEGRATED BUSINESS STRATEGIES (CAPSTONE)

A look at building and leading an adaptive and innovative enterprise. This course overviews the dynamic business and economic environment in which an organization exists, and identifies breakthrough possibilities and the need for organizational effectiveness to realize the innovation.

2 hrs

BMA 5587 M LEADERSHIP ACCOUNTABILITY AND ETHICS

The understanding of how tensions arising in the business world will affect the world and how different approaches may develop solutions. The course will present various tensions and will attempt to arrive at solutions - or perhaps approaches to possible solutions - that make sense. Along the way, students will learn about what great thinkers though out history have had to say about morality, the good life and business.Prerequisite: Admission to the Executive MBA Program

2-3 hrs

DECISION SCIENCE AND OPERATIONS MANAGEMENT (DSOM)

DSOM 5508 STATISTICAL ANALYSIS IN BUSINESS

Data analysis and statistical inference in the context of business management. Communication of analysis and conclusions using text, numbers, and graphics is emphasized. Understanding the conceptual framework of probability and statistics as it relates to statistical tests and procedures is emphasized more than computational methods. Most of the work will be done using a computer spreadsheet. The course includes the topics of estimation, tests of hypotheses, analysis of variance, and multiple regression. Prerequisite: College Algebra.

3 hrs

DSOM 5509 APPLIED STATISTICAL METHODS

Investigates the use of detailed sample data for purposes of estimating, predicting, forecasting, and explaining correlations among varied observations. Students will apply the concepts of probability theory, central tendency, sampling, inference, modeling, and forecasting to help solve managerial problems and support decision processes. Prerequisite: Admission to Executive MBA Program

2 hrs

DSOM 5514 FORECASTING THEORY AND APPLICATIONS

A study of the essential concepts, theoretical basis and applications of alternative forecasting methods. Typical methods included are smoothing and decomposition time-series methods, regression methods, econometric models, single and multiple series autoregressive/moving average methods (ARIMA methods of Box-Jenkins). Prerequisite: BDS 5508 or DSOM 5508, or equivalent.

3 hrs

DSOM 5516 MULTIVARIATE STATISTICAL METHODS

Theory and managerial applications of multiple regression analysis, multivariate analysis of variance, discriminant analysis, factor analysis and canonical correlation. Computations via statistical software and spreadsheets. Prerequisite: BDS 5508 or DSOM 5508 or equivalent.

3 hrs

DSOM 5519 DECISION MAKING WITH UNCERTAINTY

Introduces formal decision process structures, descriptive statistics, and elementary probability theory as the basic tools for representing uncertainty in business. Powerful examples are used to translate these tools to decision-making challenges of contemporary leaders. Prerequisite: Admission to Executive MBA

0.5 hrs

DSOM 5519 OPERATIONS MANAGEMENT

An integrating study focusing upon the models and methods of production and operations management. Managerial approaches to planning, scheduling, and controlling both product and service cost, quality, production, inventory, and distribution are studied. While both quantitative and qualitative models are studied, an emphasis is given to quantitative methods of planning and controlling the operations function of organizations. Prerequisites: BDS 508, ACTG 517 or Equivalents.

3 hrs

DSOM 5540 SERVICE OPERATIONS MANAGEMENT

This course focuses on the increasing importance and role of service in our economy. Topics studied are: the role of services in an economy, the nature of services, service strategy, the service delivery system, service facility location, the service encounter, service quality, productivity and quality improvement. Methods of process analysis in service organizations, methods improvement procedures, and work measurement techniques are developed to provide the basis for analyses of processes, layouts, and job design in a service organization. Prerequisites: BUS-ADM 5519 or DSOM 5519 or equivalent or consent of the instructor.

3 hrs

DSOM 5541 TOTAL QUALITY MANAGEMENT

An in-depth study of managing an effective system of quality in organizations. Coverage includes the key TQM concepts developed by Demming, Juran, and Crosby, and others, a quality process model, primary considerations in planning and implementing a quality process, and familiarization with the tools used to plan and manage quality throughout the organization.Prerequisite: BUS-ADM 5519 DSOM 5519

3 hrs

DSOM 5542 ERP-ENTERPRISE RESOURCE PLANNING SYSTEMS

Discusses the design and implementation of Advanced Manufacturing Technologies (AMT). This includes just-in-time (JIT) systems, cellular and flexible manufacturing systems (CM & FMS), computer integrated manufacturing (CIM), and enterprise resource Planning (ERP) systems. It also explores the role that manufacturing plays in product development efforts and cross-functional teams. Other topics such as manufacturing strategy, maintenance, set-up and lot size reductions, group technology and focused factories, production and operations scheduling and control techniques, and the design of work systems are presented as well. Case Studies and group projects/presentations are used for instructional purposes. Students are also required to use the MAX software to perform an ERP system analysis. Prerequisites: BUS-ADM 5519 or DSOM 5519.

3 hrs

DSOM 5543 PROJECT MANAGEMENT

Planning and control of projects, to include network models, risk analysis, time reduction, resource scheduling, leadership, and evaluation. Prerequisite: BUS-ADM 5519 or DSOM 5519 or equivalent.

3 hrs

DSOM 5544 ERP-Supply Chain And Logistics Management

A study of integrated enterprise-wide supply chain management and logistics. Topics include integrating forecasting system design, inventory management, distribution requirements planning, supply chain management, purchasing and and supplier/vendor networks, logistics, transporation network, and E-operations. Integrated enterprise-wide computer-based systems and network optimization are studied for both production and service operations. Prerequisite: BUS-ADM 5519 or DSOM 5519 or consent of instructor.

3 hrs

DSOM 5566 Operations Management For World Class

An examination of the basic principles and strategic used to manage the production and distribution of goods and services. This course position operations management (OM) as an important tool for achieving strategic leadership through competitive advantage, and illustrates how the managerial integration of OM functions with cooperate strategy provides frameworks and tolls for dramatically improving business processes.Prerequisite: Admission to the Executive MBA program

2 hrs

DSOM 5569 Managing Qualitiy & Suppliers for Competitve Advantage

The development and integration of quality improvement programs such as total quality management, Six Sigma and supply chain management as essential strategic tools for competitive advantage. Major principles, techniques and systems are presented as tools to stimulate product/service improvements and innovations and as means of achieving strategic market leadership.Prerequisite: Admission to the Executive MBA Program

2 hrs

DSOM 5587 Special Topics

This course is designed to facilitate one of two purposes: an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics. Prerequisite: Consent of the instructor

3 hrs

DSOM 5595 Internship

An opportunity for students to integrate their academics studies via employment with a business/organization in the community.Prerequisite: admission only by prior approval and consent of instructor.

1-3 hrs

DSOM 5597 Independent Study

Independent study and research in areas of special interest under individual faculty direction.Prerequisite: Preregistration consent of the instructor.

1-6 hrs

DSOM 5681 Multivariate Statistical Methods II

Theoretical and research applications of MANOVA, canonical correlation, multi-discrimination analysis, factor analysis, and introduction to structural equation modeling using appropriate software. Students are expected to undertake a major research project during this class and to apply appropriate multivariate statistical analysis to their chosen academic research topic. Prerequisite: BDS 5548 or DSOM 5516 or equivalent.

3 hrs

DSOM 5899 Required Graduate Enrollment

1 hr

ENTREPRENEURSHIP (ENT)

ENT 5515 Entrepreneurship Boot Camp

This course is designed to provide students with an understanding of the process for identifying and evaluating entrepreneurial opportunities. Students will also learn how strategy, marketing, financial, legal matters, and cash flow impact opportunities in terms of execution and growth and how to position a new firm for success. The course will encourage students to reflect on their own entrepreneurial potential and to evaluate entrepreneurship as a potential career path. Even those who do not feel that they are entrepreneurs will benefit by discovering how to function more effectively in entrepreneur-led organizations. Furthermore, those responsible for technical innovation and business development within existing organizations should find this course helpful. This course is open to all UMKC graduate students.

3 hrs

ENT 5525 Entrepreneurship: Managing Creativity And Innovation

The course examines the nature of creativity and innovation and how entrepreneurship involves the ability to identify market opportunity based on new ideas. Detailed attention is given to the entrepreneurial process: the concepts, skills, know-how and know-who, information, attitudes, alternatives and resources that entrepreneurs need to manage creativity in the process of creating something with tangible economic value.

3 hrs

ENT 5535 Small Business Management And Entrepreneurship

This course focuses on the nature of the entrepreneurial organization; its volatility and flux, where standard operating procedures are lacking and organizational structure, culture and leadership style are created anew each day. Successful small business management requires that a series of developmental challenges be identified and addressed if the venture is to succeed.

3 hrs

ENT 5541 PERSONAL ENTREPRENEURIAL STRATEGY

This course is a cooperative offering between UMKC, University of Kansas, and Rockhurst University and is taught at Kauffman Legacy Park. The course applies the case method to allow the student to learn about the entrepreneur and the entrepreneurial process, understand the sacrifices and benefits of being an entrepreneur, and develop professional skills relevant to entrepreneurial activity. Prior approval required for enrollment. Prerequisites: BUS-ADM 5531 or MKT 5531, BUS-ADM 5532 or FIN 5532, BMA 5506 MGT 5506 or equivalents.

3 hrs

ENT 5542 TECHNOLOGY AND NEW VENTURES I

This course will build skills needed to create successful, high-value enterprises with technology. Emphasis will be on markets for technology, and venture capital. Case studies will emphasize the information technologies and energy/environmental technologies.

3 hrs

ENT 5543 TECHNOLOGY AND NEW VENTURES II

This course will draw upon the skills developed in ENT 5542 to enable student teams to prepare business plans for new ventures they might actually like to start. The information technologies and energy/environment will be emphasized, but students are welcome to propose any technologies. Prerequisites: ENT 5542 or equivalent

3 hrs

ENT 5545 ENTREPRENEURSHIP AND NEW VENTURE CREATION

The objectives of this course are: (1) to build personal appreciation for the challenges and rewards of entrepreneurship in an independent mode by examining/simulating its environment; (2) to present and examine, through the use of complex case studies and high level guest/lectures, economic, legal and managerial mechanisms proven useful in creating new wealth; and (3) to foster continued development of venture ideas, suitable as career entry options or for investments, using a tutorial approach to business plan development, presentation and evaluation.

3 hrs

ENT 5546 INNOVATION & ENTREPRENEURSHIP I

This course, the first of a two-course sequence, covers the entrepreneurial and innovation process from conception to birth of the new business. It looks at both process and people involved in assessing ideas, exploiting opportunities, and converting concepts into high-growth businesses. Application of the processes will be extended to both start-ups and well as new business groups within existing organizations, with an emphasis on nurturing a climate of innovation. Students will identify opportunities for high-growth potential new enterprises, develop a business plan, and present their plans to a panel of potential investors and/or senior managers.Prerequisite: Admission to the Executive MBA program

2 hrs

ENT 5547 INNOVATION & ENTREPRENEURSHIP II

This course, the second of a two-course sequence, covers the entrepreneurial and innovation process from conception to birth of a new business. It looks at both process and people involved in assessing ideas, exploiting opportunities, and converting concepts into high-growth businesses. Application of these processes will be extended to both start-ups and well as new business groups without existing organizations, with an emphasis on nurturing a climate of innovation. Students will identify opportunities for high-growth potential new enterprises, develop a business plans, and present their plans to a panel of potential investors and/or senior managers.Prerequisite: Admission to the Executive MBA Program, ENT 5546

2 hrs

ENT 5561 NEW VENTURE CREATION AND PRODUCT INNOVATION

This course covers the first part of a two-course sequence and brings together several disciplines students have encountered in the first year of the Executive MBA program curriculum. Students will gain experience in new venture creation and product innovation management. A management simulation will serve as a continuing, evolving "case" in which course participants working in teams assume "CEO" roles.Prerequisites: Admission to Executive MBA program

1 hr

ENT 5562 MANAGING A HIGH-GROWTH BUSINESS

This course covers the second part of a two-course sequence and brings together several disciplines students have encountered in the first year of the Executive MBA program curriculum. Students will gain experience in new venture creation and product innovation management. A management simulation will serve as a continuing, evolving "case" in which course participants working in teams assume "CEO" roles.Prerequisites: Admission to the Executive MBA program

1 hr

ENT 5570 PRICING STARTEGY FOR NEW & ONGOING ENTERPRISES

This course focuses on pricing stagey and tactics from both theoretical and applied contexts, concentrating on how firms capture value and profits in the revenues that they earn. Additional focus will be made on pricing dynamics and the reaction to competitor pricing at the firm and product level. The materials used are intended to provide a comprehensive exposure to managerial pricing decisions. The course illustrates how common tactical approaches to pricing undermine a company's ability to realize it profit potential.Prerequisites: Admission to Executive MBA program

2 hrs

ENT 5585 VENTURE CAPITAL FINANCE AND INVESTMENT

This course is designed for students who wish to learn about or become involved in the venture capital market as investors or intermediaries in emerging growth companies seeking capital. With this goal, the course will define the venture capital market and where it fits relative to other sources of capital; examine how private equity funds are raised and structured, how investments are sourced; selected; and negotiated; and the role of the value-added investor through investment to liquidity. The course presents and provides applications for various frameworks of valuing and structuring investment opportunities. Suggested Prerequisites: BUS-ADM 5532 or FIN 5532 and one of the following ENT 5515,ENT 5525, ENT 5535, ENT 5541, or ENT 5545 (or equivalents)

3 hrs

ENT 5591 SMALL BUSINESS MANAGEMENT PRACTICUM

An integrated management course designed to examine the principles of business management applicable to solving the problems of small and medium size businesses and assisting in their development. Prerequisite: Completion of core requirements.

3 hrs

ENT 5595 INTERNSHIP

An opportunity for students to integrate their academics studies via employment with a business/organization in the community.Prerequisite: admission only by prior approval and consent of instructor.

1-3 hrs

ENT 5597 INDEPENDENT STUDY

Independent study and research in areas of special interest under individual faculty direction.Prerequisite: Preregistration consent of instructor

1-6 hrs

ENT 5681 MULTIVARIATE STATISTICAL METHODS-II

Theoretical and research applications of MANOVA, canonical correlation, multi-discrimination analysis, factor analysis, and introduction to structural equation modeling using appropriate software. Students are expected to undertake a major research project during this class and to apply appropriate multivariate statistical analysis to their chosen academic research topic. Prerequisite: BDS 5548 or DSOM 5548, or equivalent

3 hrs

ENT 5682 STRUCTURAL EQUATION MODELING

This course presents structural equation modeling (SEM) including a review of regression and the study of path analysis, including model specification, methods of estimation, recursive and non-recursive models; direct, indirect, and total effects methods of estimation; single and multi-group analyses; moderators; mediators; structural equation model specification; identification, methods of estimation, second-order factor analysis, and the assessment of casual structure. Students are expected to continue a research project started in ENT 5681. Prerequisite: ENT 5681

3 hrs

ENT 5683 MATHEMATICAL MODELS FOR ENTREPRENEURSHIP

The purpose of this course is to provide an introduction to mathematical models in entrepreneurship and related disciplines. Classes will focus on the use of mathematical models to characterize the nature of various entrepreneurship-related decisions in complex environments. For each topic considered (e.g., R&D investment decisions in new product entry, diffusion, and marketing mix variables), a few articles have been chosen. Presentations and discussions are designed to help students understand and critique existing models and to stimulate the development of new theoretical viewpoints.Prerequisite: Doctoral standing or with instructor's permission.

3 hrs

ENT 5691 DOCTORAL SEMINAR IN THEORETICAL FOUNDATIONS OF ENTREPRENEURSHIP I

ENT 5691 is designed as a broad survey of major topics in the field of entrepreneurship. Its objective is to familiarize students with some of the primary theoretical underpinnings of the field as well as some of the common and/or promising methodological approaches to the study of entrepreneurial phenomena. Topics covered in the course include a theoretical overview, entrepreneurs, environment and organizational founding. Prerequisite: Doctoral standing

3 hrs

ENT 5692 FOUNDATIONS ENTREPRENEURSHIP

ENT 5692 is designed as a continuation of ENT 5691, providing a broad survey of major topics in the field of entrepreneurship. Its objective is to familiarize the student with some of the primary theoretical underpinnings of the field as well as some of the common and/or promising methodological approaches to the study of entrepreneurial phenomena. Topics covered in the course include: entrepreneurship's links with other diciplines, venture capital and venture capitalists, new venture strategy, new venture performance, growth processes and challenges, and entrepreneurial networks and alliances. Prerequiste: IEI 691 Offered: Every Winter

3 hrs

ENT 5693 TECHNOLOGY, INNOVATION, AND ENTREPRENEURSHIP

This seminar will explore academic literature of technology, innovation, and entrepreneurship. Specific topics include emerging technologies, evolutionary theory, building capabilities based on networks, organizational learning, technological innovation, institutional economics, network externalities, knowledge transfer, technological trajectories and path dependencies. Prerequisite: Doctoral standing

3 hrs

ENT 5694 DOCTORAL SEMINAR IN THEORIES OF THE FIM AND STRATEGY

In this course, students will become familiar with and develop an in-depth understanding of the concepts, models, and paradigms that collectively form the foundation for strategic thinking. Students will develop the ability to critically integrate findings from strategic research programs. Employing an appreciation for the interdisciplinary nature of strategic marketing and management, the purpose is to develop a keen awareness of major gaps that exist in the strategic literature. Students will strengthen the skills needed to conduct original strategic marketing research that can be published in the leading academic journals. Prerequisite: Doctoral Standing

3 hrs

ENT 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

FINANCE (FIN)

FIN 5501 ECONOMICS FOR ADMINISTRATION

This course is designed for graduate students in the School of Business and Public Administration. Topics include the theory and determination of national income, fiscal policy, monetary theory and policy, production and cost theory, and market structure.

3 hrs

FIN 5503 ECONOMIC ANALYSIS FOR MANAGEMENT

A study of relationships between economic theory and management of the firm in a market economy. Demand, revenue, and cost interrelationships are examined in the context of various market structures encountered in the American economy. The theoretical framework developed is used further to analyze economic problems involving the firm and the public interest. Prerequisites: BUS-ADM 5501, or FIN 5501 or equivalent.

3 hrs

FIN 5506 AGGREGATE ECONOMICS ANALYSIS AND NATIONAL POLICY

The study of national and global economic activity. The course focuses on the interaction of fiscal and monetary policies with private sector and international forces, and the effects on GNP, interest rates, unemployment and inflation.Prerequisite: Admission to the Executive MBA Program

2 hrs

FIN 5508 FINANCIAL DECISIONS AND SOCIETAL GOALS

Deals with the application of financial theory to cases in financial decision-making and relies upon the practical application of corporate financial models. Students will explore agency and signaling theories and their implications for organizational leaders and will come to understand the importance of corporate communications and its impact on firm value. Offered: Every Fall Prerequisites: Admission to Executive MBA Program

2 hrs

FIN 5515 MANAGERIAL ECONOMICS

This course studies the relationships between the economic theory and system as a whole and the ways in which their functioning is affected by the behavior of the interdependent sectors of which they are composed. Students will explore the major factors and determinants of economic prospects relevant to profit-maximizing production and pricing decisions for the firm.Prerequisite: Admission to executive MBA program.

2 hrs

FIN 5532 FINANCIAL MANAGEMENT

An introduction to the role of financial management through the development of a conceptual framework appropriate for financial decision making. Generally, financial management is charged with the responsibility for obtaining and effectively utilizing the funds necessary for the operation of an enterprise. As such, the conceptual framework includes elements of financial planning (financial analysis, cash budgeting and profit planning), capital budgeting (rate of return and cost of capital), and basic considerations of alternative sources of funds. Prerequisites: ACCTNG 5517, BDS 5508 or DSOM 5508, BUS-ADM 5501 or FIN 5501 or equivalents.

3 hrs

FIN 5550 ADVANCED FINANCIAL MANAGEMENT THEORY AND POLICIES

Advanced financial management covering topics such as working capital, financial structure, cost of capital, dividend policy and valuation. Discussions include both financial theory as well as financial policy. Includes exposure to literature central to the development of finance theory. Prerequisite: Six hours of finance coursework beyond BUS-ADM 5532 or FIN 5532 or equivalent.

3 hrs

FIN 5551 INTERNATIONAL FINANCIAL MANAGEMENT

This course analyzes present and future international financial market conditions and extends the decision-making tasks of financial management into the context of problems of the international and foreign financial systems. The financial constraints of the international business environment and their effect on standard concepts of financial management are studied along with international currency flows, capital structure problems, working capital management, foreign investment, and international banking practices. Prerequisite: BUS-ADM 5532 or FIN 5532 or equivalent.

3 hrs

FIN 5552 FINANCIAL MARKETS AND INSTITUTIONS

A study of structure and operation of the major financial markets. The concept of flow of funds serves as the underlying mechanism bringing together the various private, public, and foreign sectors as they relate to the demand for and supply of loanable funds. Topics include consideration of short, intermediate, and long-term credit and equity market instruments; the level and structure of yields in financial assets; behavior of risk premiums; structure of financial institutions; and implications of alternate policy actions. Prerequisite: BUS-ADM 5532 FIN 5532 or equivalent. Previous graduate coursework is recommended.

3 hrs

FIN 5553 INVESTMENT ANALYSIS

Development of a theoretical framework applicable to the solution of problems related to creation and management of the investment portfolio. Consideration is given to the analysis of risk, functions of security markets, sources of information, evaluation of securities, and measurement of investment return. Prerequisite: BUS-ADM 5532 or FIN 5532 or equivalent.

3 hrs

FIN 5556 MANAGEMENT OF FINANCIAL INTERMEDIARIES

This course addresses the management operations of selected financial intermediaries including commercial banks and thrift institutions. Attention is given to asset-liability structure, the development and delivery of financial services, institutional structure, legal and regulatory factors, and the dynamics of the competitive environment. Prerequisite: BUS-ADM 5532 or FIN 5532 or equivalent.

3 hrs

FIN 5557 DERIVATIVE SECURITIES

This course is designed to introduce students to the basic principles of financial risk management. The student should develop a working knowledge of issues regarding both the theoretical valuation and application of derivative securities. Applications will focus on techniques designed to manage financial risks in the corporate environment. Specifically, the course will focus on using futures, options, and swaps to hedge financial risks. Valuation issues will be explored to identify theoretical pricing fundamentals that can be applied toward valuing newly developed securities. Prerequisites: BUS-ADM 5501 or FIN 5501, BUS-ADM 5532 or FIN 5532, BDS 5508 or DSOM 5508, AND ACCTNG 517 or equivalents.

3 hrs

FIN 5559 STRATEGIC FINANCIAL MANAGEMENT

This non-quantitative, readings-based course seeks to impart the latest concepts in strategic financial theory and rational economic thought. Major financial and economic developments such as signaling theory and agency are applied to a wide variety of contemporary problems facing businesses, governments, and individuals. Prerequisites: BUS-ADM 5532 or FIN 5532 or equivalent.

3 hrs

FIN 5568 ORGANIZATIONAL FINANCE

Gives students a thorough introduction to financial management that blends appropriate amounts of relevant theory with practical application.Topics include discounting techniques and applications, evaluating capital expenditures, estimating cost of capital, and valuing stocks and bonds.Prerequisite: Admission to the Executive MBA program.

2 hrs

FIN 5569 ADVANCED ORGANIZATIONAL FINANCE

This course systematically examines three recurring financial challenges: what resources to acquire or sell, how to finance a business, and how much cash to distribute to owners in the form of dividends or share repurchases. Each topic is viewed on the practical level of how each affects accounting measures of performace and on the conceptual level of whether each creates or destroys value. Prerequisites: Admission to the Executive MBA program.

2 hrs

FIN 5580 SEMINAR IN FINANCE

Advanced work in financial management, investment analysis, and financial markets and institutions would form the basis for the Seminar. Each topic selected will provide the opportunity for an investigative study on the part of the student. Major problems, hypotheses, and cases, together with the literature addressing the specific topic, will serve as the springboard for classroom activity. Both written and oral reports are required. Prerequisites: BUS-ADM 5532 or FIN 5532 or equivalent and consent of the instructor.

2 hrs

FIN 5587 SPECIAL TOPICS

This course is designed to facilitate one of two purposes: an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics. Prerequisite: Consent of the instructor

3 hrs

FIN 5595 INTERNSHIP

An opportunity for students to integrate their academics studies via employment with a business/organization in the community.Prerequisite: admission only by prior approval and consent of instructor.

1-3 hrs

FIN 5597 INDEPENDENT STUDY

Independent study and research in areas of special interest under individual faculty direction.Prerequisite: Preregistration consent of the instructor.

1-6 hrs

FIN 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

HEALTH ADMINISTRATION (HLTH-ADM)

HLTH-ADM 5571 FINANCIAL MANAGEMENT ISSUES: HEALTH & HUMAN SERVICES ORGANIZATIONS

This course is intended to provide an overview of the financial management problems of health and human services organizations. A broad range of topics is examined: financial statements, ratio analysis, cost accounting, reimbursement and pricing, management of working capital, budgeting and programming, capital financing, and cash management.

3 hrs

HLTH-ADM 5575 LONG-TERM CARE POLICY & ADMINISTRATION

This course provides an overview of long-term care policy and administration, both for institutional and community-based services. Topics include public and private financing, regulatory systems, organization and management of care, and quality assurance. The course also emphasizes new developments in the field, such as managed long-term care systems, capitation and case mix reimbursement, and technologies for quality monitoring and assessment.

3 hrs

HLTH-ADM 5577 HEALTH SERVICE ADMINISTRATION AND THE HEALTH PROFESSIONS

The development of the health professions and occupations is examined as their internal and external relationships influence the structure of health care organizations and the services provided to clients. The focus of the course is on problems that administrators may encounter as they attempt to negotiate services for clients, build professional coalitions, and provide leadership within or outside health care institutions.

3 hrs

HLTH-ADM 5578 THE EVALUATION AND CONTROL OF HEALTH SERVICES

This course focuses on developing evaluative skills associated with controlling the level and costs of health services. Epidemiologic concepts are introduced using clinical and community health examples. The concepts of "at-risk" clients and populations are reviewed, and various attempts to measure risk are assessed. Issues relating to quality assurance are discussed, along with several examples of cost-effectiveness analysis.

3 hrs

HLTH-ADM 5580 ECONOMICS OF HEALTH AND MED

A course designed to discuss economic analysis of the development of the medical market, organized medicine and the structure of the health delivery systems. The problems of the medical market will be analyzed, the role of insurance will be investigated and alternative public policies will be studied.

3 hrs

HLTH-ADM 5581 HEALTH POLICY IN THE UNITED STATES

This course helps students develop an understanding of the determinants of health, major current health policy issues, and health policy making in the United States. The public policy process and its effects on the organization, financing, and delivery of health care are examined in detail. The roles of key players in health policy formulation and the public policy responses to current health policy are also examined.

3 hrs

HLTH-ADM 5585 SEMINAR IN HEALTH SERVICES ADMINISTRATION

Intensive study and examination of selected contemporary issues and problems. Emphases include theoretical relationships and premises, social philosophy, current research and literature, methods of investigation and analysis, and dilemmas of administrative leadership. The focal point of this course changes from term to term.

3 hrs

HLTH-ADM 5585 A SEMINAR IN HEALTH SERVICES ADMINISTRATION

3 hrs

HLTH-ADM 5586 INDEPENDENT STUDY

Independent study and research in areas of special interest under individual faculty direction.Prerequisite: Consent of instructor

1-6 hrs

HLTH-ADM 5587 SPECIAL TOPICS

This course is designed to facilitate one of two purposes: an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics. Prerequisite: Consent of the instructor

3 hrs

HLTH-ADM 5595 INTERNSHIP

An opportunity for students to integrate their academic studies via employment with a business/organization in the community. Prerequisite: Admission only by prior approval and consent to the instructor.

1-3 hrs

MANAGEMENT (MGT)

MGT 5505 ORGANIZATIONAL BEHAVIOR

A study of individual, group, and organizational behavior and processes.. This course examines social and behavioral sciences methods and theories which apply to the understanding of administrative social systems. Classroom activities will utilize lectures, laboratory training, and clinical cases.

3 hrs

MGT 5506 CONTRACT NEGOTIATION AND DISPUTE RESOLUTION

This course surveys the conceptual framework for negotiating legally binding contracts and examines contemporary institutions and processes for resolving contractual disputes. Particular attention will be given to identifying and appreciating strategies, practices, and specific rules by which binding contractual rights and duties are determined in the United States and in international jurisdictions. Working independently and in teams, students will assimilate the legal rules and negotiation strategies and apply them to common business transactions and disputes.

3 hrs

MGT 5508 LAW OF BUSINESS ASSOCIATIONS

Working individually and in teams, students study the legal rules that govern most common business relationships. These include the rules for creating and managing agency and partner relationships, LLC and other new joint ventures, as well as public and closely-held corporations. Student teams follow local public companies as they prepare and conduct their annual meetings and conduct mock negotiations to form a new business venture.

3 hrs

MGT 5510 LEGAL AND INTERNATIONAL ENVIRONMENT OF BUSINESS

This course provides an essential introduction to the domestic and international environment of business. Particular attention is given to the comparative historical development, cultural, economic, legal and political context for the conduct of business in the U.S. and abroad. Topics include international trade; international management; alternative modes of international operations; international finance and exchange rates; international marketing; international human resources; international business strategy and protection of property interest, including worldwide protection of intellectual property, private contracts, multilateral agreements, dispute resolution systems and the influence of government trade.

3 hrs

MGT 5511 LEGAL ISSUES FOR TODAY'S LEADERS

The course will provide the necessary knowledge and tools to avoid creating liability for the employee and/or employer. More specifically, coverage will include a working knowledge of contracts and commercial law, torts, employer/employee rights, affiliate relationships, and government regulation. Participants will also gain the ability to recognize potential issues involving antitrust and fair trade, intellectual property, securities regulation, international law and environmental law.Prerequisites: Admission to the Executive MBA Program

2 hrs

MGT 5513 ECONOMIC POLICY AND MANAGERIAL CONTROL

Students will study the analysis of the industrial foundations and economic institutions of modern times; the politics of industrial control, including power relationships in economic nationalization and planning and theory of managerial industrialism and business enterprise.

3 hrs

MGT 5516 LEADING TEAMS

This course is designed to increase the student's understanding of team processes in organizational settings and to contribute to the student's ability to build and lead high-performing teams. The class will be utilized as a laboratory for the exploration of team leadership theory and research. Prerequisite: BMA 5505 or MGT 5505 or equivalent.

3 hrs

MGT 5531 LEADERSHIP, STRATEGY AND HUMAN RESOURCES

Focuses on the leader as a catalyst in developing high-performance, market -based cultures and as a human resource strategist in marshalling the workforce. Geared to the general manager, the course presents ideas and tools for building, bonding, and linking the workforce to accomplish the organization's mission. Topics include ideas and tools for identifying, recruiting, and retaining talent, developing and coaching subordinates, appraising and rewarding performance, and delegating to balance control and risk.Prerequisites: Admission to Executive MBA program

2 hrs

MGT 5533 LEADERSHIP AND CHANGE IN ORGANIZATIONS

Study of the dynamics of leadership and change in organizational contexts with attention to both theory and practice. Classroom activities can include lectures, case discussions, group presentations, and experiential activities. Prerequisite: BMA 5505 or MGT 5505, PUB-ADM 5548(or equivalents) or consent of instructor.

3 hrs

MGT 5537 COMPETITIVE STRATEGIES

Study of the processes of formulating and implementing competitive management strategies. Analytical techniques appropriate to the firm, the market or the industry will be emphasized. Major individual and/or group papers analyzing existing organizations will be required.Prerequisites: Must be taken in the student's final semester of the program.

3 hrs

MGT 5538 STATEGIC MANAGEMENT

The study of economic principles for the formulation and evaluation of strategy, including industry analysis, strategic positioning and the boundaries of the firm. Students address the capacity of executive leadership to create and communicate a clear direction for a company's future. Prerequisites: Admission to the Executive MBA Program

1-3 hrs

MGT 5545 INTERNATIONAL MANAGEMENT

Examination of the management of contemporary international business organizations through a study of the political, economic, social and technological factors and their relationship and impact upon the administrative activities and strategies of the international firm.

3 hrs

MGT 5547 SEMINAR IN INTERNATIONAL MANAGEMENT

Examines the management of contemporary international business organizations in the global economy. The course overviews the interrelationship and impact of political, economic, social, and technological factors, together with the complex challenges of strategy and execution in the global companies.Prerequisite: Admission to the Executive MBA program

1-6 hrs

MGT 5550 THE OPERATION OF INTERNATIONAL BUSINESS

The course reviews the basic decision-making and operations taking place within international business. Attention will be given to export/import activities of firms including global marketing & sourcing, transportation, finance, customs clearance, & legal issues such as intellectual property rights & agent/distributor agreements. Prerequisite: BMA 5510 or MGT 5510 or equivalent.

3 hrs

MGT 5552 INTERNATIONAL STUDY IN BUSINESS

This course is designed to provide a study-abroad experience for the student. The course involves three components: study if international business through on-campus lectures and discussions; travel to a foreign country for visitations to business firms, government organizations, and cultural sites; and critique sessions of the international learning experience after travel completion.Restrictions: Special application and selection process prior to enrollment.

3 hrs

MGT 5557 LEADERSHIP AND ORGANIZATIONS

Focuses on how organizations work and how leaders can set direction, marshal resources, and build support to move initiatives forward. The course provides tools and tactics for assessing organizations needs and constraints through multiple lenses, and assessing one's own leadership strengths and weaknesses for development and alignment with organization needs. Prerequisite: Admission to Executive MBA Program

2 hrs

MGT 5558 MANAGING PEOPLE FOR STRATEGIC ADVANTAGE: DESIGN, STAFFING AND DEVELOPMENT

This course focuses on managing human resources in the execution of strategy and the development of market-based cultures. Geared to the general manager, the course includes ideas and tools for identifying and recruiting talent, developing and coaching subordinates, appraising and rewarding performance, and delegating to balance control and risk.Prerequisites: Admission to the Executive MBA Program

1-3 hrs

MGT 5560 STRATEGIC HUMAN RESOURCES

This course will provide an overview of the theory, research and practices used to strategically align human resource policies and practices with the overall goals and objectives of organizations. The course will highlight ways in which HR policies and practices affect and are affected by organizations' environments and culture. Emphasis will be placed on high performance and innovative work practices. Particular attention will be given to assessing internal and external conditions and contexts in which HR policies and practices maximize effectiveness.

3 hrs

MGT 5566 STRATEGIC STAFFING

This course presents theoretical frameworks and practical applications for determining optimal person-organization fit and person-job fit within organizations. Emphasis will be placed on integrating recruitment and selection strategies and practices with overall business strategies. The importance of strategically planning and implementing recruitment and selection processes will be addressed as it relates to various organizational contexts, including environmental threats and opportunities, organizational size, structure, and climate.

3 hrs

MGT 5567 TOTAL REWARDS MANAGEMENT

This course presents both theory and practice for designing effective rewards systems within organizations. Compensation (including base pay and incentives), benefits and performance management will be covered from a strategic perspective. Characteristics of the work environment, such as recognition, work/life balance, and culture will also be considered in terms of their contribution to the total rewards systems.

3 hrs

MGT 5569 LEADERSHIP ACCOUNTABILITY AND THE LEGAL IMPLICATIONS

Highlights the accountabilities of leaders and the challenges they face in the rapidly changing business environment. This course studies the political, social, ethical, and global environment in which American business organizations operate and the impact on today's leaders. Topics include creating and maintaining affiliate relationships and joint ventures, as well as prohibitions on anticompetitive behavior, protection of intellectual property, operating within a regulated environment, and securities law.Prerequisite: Admission to the Executive MBA program

1-6 hrs

MGT 5571 INFLUENCE, PERSUASION AND CHANGE

Presents ideas, strategies, and tools for leading change in complex organizations. This course challenges students to think about the execution of change strategies through assessment or organizational power dynamics and appropriate influence styles for achieving results. Emphasis is placed on analyzing these attributes and skills most critical for building influence, especially in change initiatives, and on defining an ethical approach to leading, influencing, and persuading others.Prerequisites: Admission to the Executive MBA program.

2 hrs

MGT 5573 BUSINESS STRATEGY OVERVIEW

Provides an overview of approaches to business strategy rooted in economic modeling and analysis. The focus is on identifying and developing strategic sensibilities that executives confront in the face of complexity and uncertainty. Prerequisite: Admission to Executive MBA Program.

0.5 hrs

MGT 5573 STRATEGIC MANAGEMENT I

Strategic Management I is the first course in a two-part series entitled, "The EMBA Project", and is intended to provide opportunity to (a) sensitively develop an agreement with the client based on EMBA curriculum/concepts, client needs, and team interests;(b) undertake a project that fits those parameters; and (c) assist the client company in implementation (or planning thereof) of the project findings. The projects are intended to provide opportunity for the EMBA students to develop strategic, organizational, and operation insights. Prerequisites: Admission to the Executive MBA program.

1 hr

MGT 5577 TEAM AND COMMUNITY BUILDING

Kicks off the EMBA program to create relationships among the participants and faculty that facilitate and accelerate learning ,and introduces students to the concepts and material in the leadership curriculum. Prerequisite: Admission to Executive MBA Program

1 hr

MGT 5582 MANAGING PEOPLE FOR STRATEGY EXECUTION

The focus of this course is producing, for an organization, a sustainable competitive advantage through the effective management of people-the human resources of the organization.Prerequisite: Admission to Executive MBA program

2 hrs

MGT 5585 SEMINAR IN STRATEGIC MANAGEMENT

1-6 hrs

MGT 5587 SPECIAL TOPICS

The study of a contemporary management topic of interest. This course is designed to facilitate one of two purposes; an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics.Prerequisite: consent of instructor.

3 hrs

MGT 5595 INTERNSHIP

An opportunity for students to integrate their academics studies via employment with a business/organization in the community.Prerequisite: admission only by prior approval and consent of instructor.

1-3 hrs

MGT 5595 INTERNSHIP

An opportunity for students to integrate their academics studies via employment with a business/organization in the community.Prerequisite: admission only by prior approval and consent of instructor.

1-3 hrs

MGT 5597 INDEPENDENT STUDY

Independent study and research in areas of special interest under individual faculty direction.Prerequisite: Preregistration consent of the instructor.

1-6 hrs

MGT 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

MANAGEMENT INFORMATION SYSTEMS (MIS)

MIS 5502 ELEMENTS OF MANAGEMENT INFORMATION SYSTEMS

Fundamental concepts of hardware, software, networking, system life cycle, enterprise systems, and strategic systems in a business context. The course includes an overview of techniques in programming and web publishing.

3 hrs

MIS 5529 DECISION SUPPORT SYSTEMS

Information systems to support decision makers in organizations. This course focuses on influences of cognitive biases and group think on decision makers. Identification of both potential uses of information technology to support decision makers and potential effects of information technology on the decision making processes, and may include a number of computer-oriented assignments.

3 hrs

MIS 5540 INFORMATION TECHNOLOGY AS A STATEGIC TOOL

This course examines the critical linkage between an organization's business, cultural, and information technology (IT) strategies. In organizations today, information technology has become a key component in accomplishing strategic and operational goals. The course provides concepts and a framework for understanding and enhancing the role IT can play in innovation, change, and continuous organizational learning.Prerequisite: Admission to the Executive MBA program.

2 hrs

MIS 5552 DATA BASE MANAGEMENT

Data administration, including theory of relational databases and projects using relational data management packages. The course looks at data modeling and information engineering, entity-relationship modeling, database design, normalization, data dictionaries, distributed databases, database servers, data quality assurance, data integrity, SQL, and may include a number of computer-oriented assignments.

3 hrs

MIS 5554 SYSTEMS ANALYSIS, DESIGN AND ENGINEERING

This course introduces tools for documenting information system requirements and design and implementation methods; organization of software projects; system specifications, doumentation and diagramming standards;programming languages and methodology; costs and schedule estimation, project management; program verification,and internal control issues.

3 hrs

MIS 5558 MANAGEMENT AND ECONOMICS OF COMPUTING

Topics to be covered include procurement and management of computer systems, economics of hardware and software, software acquisition, RFQs, RFPs, contract terms and conditions, end-user computing.;capacity planning, contribution of computing to business objectives, control, audit, and security of information technology; legal and ethical perspectives; and international issues.

3 hrs

MIS 5569 INFORMATION SYSTEMS CONSULTING

An application of systems concepts to the evaluation and implementation of information system. Student teams will analyze, document and make recommendations for the improvement of these systems, and will communicate their findings via written reports and oral presentation. Project management concepts will be covered as well. Course content might be actual projects for local organizations, or it might be a simulation of a consulting engagement.Prerequisites: Instructor Permission

3 hrs

MIS 5580 SEMINAR IN INFORMATION SYSTEMS

This seminar is provided for students interested in exploring advanced MIS topics not covered in the regularly offered courses. The content of this seminar may change from one offering to the next.

3 hrs

MIS 5587 SPECIAL TOPICS

This course is designed to facilitate one of two purposes: an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics. Prerequisite: Consent of the instructor

3 hrs

MIS 5597 INDEPENDENT STUDY

Independent study and research in areas of special interest under individual faculty direction.Prerequisite: Preregistration consent of the instructor.

1-6 hrs

MIS 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

MARKETING (MKT)

MKT 5531 CONTEMPORARY MARKETING MANAGEMENT

An advanced survey course that emphasizes the core marketing decision variables: product, price, place, and promotion. The emphasis is on the interface between an organization's objectives, capabilities, resources and marketplace needs and opportunities. The subject matter is applicable to firms that produce and/or services, and for-profit and non-profit organizations. Topics include market-oriented problem solving, consumer behavior, marketing ethics, competitive strategy, and product management in domestic and global environments.

3 hrs

MKT 5539 MANAGEMENT IN DIRECT MARKETING

The organization , planning and control of direct marketing efforts as an integral part of an institution's total marketing program.This course synthesizes direct marketing efforts with the institution's other major functional areas in order to achieve efficiently overall organizational objectives. Prerequisite: BUS-ADM 5531 or MKT 5531, or equivalent.

3 hrs

MKT 5555 INTERNATIONAL MARKETING

This course focuses on marketing problems confronting international business managers and the ways they may be analyzed and resolved. The course content includes concepts and techniques useful in international marketing; effects of national differences on marketing practices; organization for international marketing; and strategy formulation for international markets. Prerequisites: BUS-ADM 5531 or MGT 5531 and BMA 5510 or MGT 5510 or equivalents.

3 hrs

MKT 5560 BUYER BEHAVIOR

A review of behavioral science concepts applicable to an understanding of constituent decision making. Special emphasis is placed on applications of these concepts, by the student, to problems of offer planning, pricing, distribution and promotion. Prerequisites: BUS-ADM 5531 or MKT 5531 pr equivalent.

3 hrs

MKT 5561 PROMOTIONAL STRATEGIES IN MARKETING

Emphasis will be placed on the organization's persuasive communications to customers and prospective customers within a framework of the system of distribution. The central focus concerns how marketing management allocates the promotional mix within the organization's total marketing program. Topics will include the following: 1) promotional mix, 2) campaign strategies, 3) campaign coordination and 4) follow-up control of promotional programs. Prerequisite: BUS-ADM 5531 or MKT 5531 or equivalent.

3 hrs

MKT 5562 MARKETING RESEARCH

This course acquaints the student with the special problems of understanding and applying various measurement techniques to marketing problems. Specific topics to be investigated will depend upon the instructor and the students' areas of interest and specific competencies. Prerequisites: BUS-ADM 5531 or MKT 5531, BDS 5508 or DSOM 5508 or equivalents.

3 hrs

MKT 5565 MARKETING MANAGEMENT

Examines the role of marketing in driving profitable revenue growth in companies The focus is placed on tools and approaches to analyzing and understanding customer needs- including the roles of market research and brand equity- and the development of integrated marketing plans to deliver to those needs.Prerequisite: Admission to Executive MBA Program Offered: Every Fall

2 hrs

MKT 5575 ADVANCED MARKETING STRATEGY

This course focuses on advanced marketing skills and practical techniques for defining and meeting the needs of the chosen market. The emphasis is on key drivers of marketing effectiveness, including creating a market-oriented culture, customer-focused information systems, the relationship of various components of marketing, and the response to marketing variables. A variety of pedagogical approaches, including applied projects, may be employed. Prerequisites: BUS-ADM 5531 or MKT 5531 or equivalent.

3 hrs

MKT 5576 STRATEGIC MARKETING

This course examines those market-based issues that have broad implications for strategy, such as market sizing, brand and competitive set, and product life cycles. Among strategies and business models discussed will be those tailored to start-ups and growing businesses, as well as businesses in mature and declining markets, with special emphasis on the challenges of differentiation in highly competitive industries.Prerequisite: Admission to the Executive MBA program

2 hrs

MKT 5587 SPECIAL TOPICS

This course is designed to facilitate one of two purposes: an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics. Prerequisite: Consent of the instructor

3 hrs

MKT 5587 SPECIAL TOPICS

The study of a contemporary topic of interest. This course is designed to facilitate one of two purposes: an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics. Prerequisite: Consent of the instructor.

3 hrs

MKT 5595 INTERNSHIP

An opportunity for students to integrate their academics studies via employment with a business/organization in the community.Prerequisite: admission only by prior approval and consent of instructor.

1-3 hrs

MKT 5597 INDEPENDENT STUDY

Independent study and research in areas of special interest under individual faculty direction.Prerequisite: Preregistration consent of the instructor.

1-6 hrs

MKT 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

PUBLIC ADMINISTRATION (PUB-ADM)

PUB-ADM 5510 RESEARCH METHODS IN PUBLIC ADMINISTRATION

This introductory course focuses on quantitative empirical research design and statistical analyses in relation to public administration issues and concerns.

3 hrs

PUB-ADM 5524 PUBLIC POLICY CONTEXT FOR BUSINESS DECISIONS

This course is designed to provide intesive exposure to the forces and personailities in Washington, D.C. that shape America's business policy. EMBA participants learn how to understand and anticipate the impact of public policy on theirbusinesses and how to become more effective participants in the national decision-making process. Prerequisites:Admission to the Executive MBA program. Offered:Winter

2 hrs

PUB-ADM 5525 FINANCIAL ACCOUNTABILITY AND POLICY DEVELOPMENT

Modern fiscal policy and its administrative implications to planning, budgeting, revenue administration, accounting and appraisal, and the process for assuring accountability in the development, timing, and execution of public programs. Prerequisite: PUB-ADM 5510.

3 hrs

PUB-ADM 5526 THE POLITICS OF ADMINISTRATION

This course will introduce the subject of public administration from a political perspective. Special attention will be given to an examination of the administrative branch of government. More specifically, the course will focus on the demands directed to administrators from various sectors of the political system, ways in which administrators respond to those demands, and methods available for the analysis of public policies that help us assess the impacts that flow from administrators' actions.

3 hrs

PUB-ADM 5530 CAPSTONE SEMINAR IN PUBLIC ADMINISTRATION

This course examines theories of public organizational design, structure and change, including various issues in the administration of public organizations. Questions of professional ethics and management in the public interest are also considered. This is the final course in the MPA core curriculum. Prerequisites: PUB-ADM 5525, PUB-ADM 5526, PUB-ADM 5544, PUB-ADM 5548 or concurrent enrollment.

3 hrs

PUB-ADM 5535 URBAN POLICY AND ADMINISTRATION

An examination of the formulation and administration of policies by urban governments. The course examines (a) the historical and intergovernmental contexts for decision making by urban governments, (b) the governmental forms and political processes employed in making these decisions, and (c) the various urban problems and service delivery issues which require decisions in the contemporary city.

3 hrs

PUB-ADM 5536 MANAGING URBAN ECONOMIC DEVELOPMENT

This course explores what managers in the public, nonprofit and private sectors need to know about urban economic development. Topics include (a) theories of urban economic development, (b) varying forms of development (e.g., attraction of new industries, central business district development, neighborhood economic development), (c) policy managerial tools for stimulating development, and (d) issues of equity in economic development.

3 hrs

PUB-ADM 5539 URBAN AND REGIONAL PLANNING FOR URBAN ADMINISTRATORS

This course is designed to provide students in urban administration with a comprehensive overview of the planning process. Course topics include a review of planning and the problems of effective planning implementation.

3 hrs

PUB-ADM 5544 PUBLIC POLICY EVALUATION AND ANALYSIS

Survey of the tools and procedures for evaluating and analyzing policies and programs in the public sector, including nonprofit and human services organizations. Consideration of such topics as definition of goals, developing measures of effectiveness, evaluation research designs, benefit-cost analysis, and the special problems of rational analysis in a political environment. Prerequisite: PUB-ADM 5510.

3 hrs

PUB-ADM 5548 LEADERSHIP FOR PUBLIC SERVICE

The two core purposes of this course are for students to learn about effective and ethical leadership, and for students to understand and develop their own capacity for leadership. The course is organized around three general themes: 1) leadership as relations with subordinates, including issues of work motivation; 2) leadership as lateral relations, including organizational politics and conflict management and resolution; and 3) leadership as influence in the organization's environment.

3 hrs

PUB-ADM 5551 STRATEGIC MANAGEMENT IN NONPROFIT ORGANIZATIONS

This is an advanced course in the nonprofit management emphasis. Following review of the legal and economic uniqueness of private, nonprofit organizations, the course helps students develop a strategic framework and apply the key concepts to the management of nonprofit enities. Recommended prerequisites: PUB-ADM 495 and PUB-ADM 5548.

3 hrs

PUB-ADM 5552 COMMUNITY ORGANIZATIONS AND PUBLIC POLICY

This course includes examination of both neighborhood organizations and organizations intended to promote other communities of interest. In relation to neighborhood organizations, topics considered include the varieties of neighborhoods, the role of neighborhood organizations in local politics, the use of neighborhoods in administrative and political decentralization, and federal policy toward neighborhood issues. In relation to other community organizations, topics considered include the basis of such organizations, their roles in public affairs and their effects on policy processes.

3 hrs

PUB-ADM 5553 LEGAL FRAMEWORK & FINANCIAL MANAGEMENT OF NONPROFIT ORGANIZATIONS

Utilizing a comparative approach the course examines the legal basis and tax treatment of private, nonprofit organizations in the U.S. Related topics also considered include concepts of fund and cost accounting, budgeting processes, earned income strategies, employee compensation and benefits practices, laws and regulations affecting lobbying, competition with business and unrelated business income tax.

3 hrs

PUB-ADM 5555 TOPICS IN NONPROFIT FUNDRAISING

In order to flexibly treat the variety of strategies and techniques of charitable fundraising, these courses will usually be offered in variable credit hour segments, covering traditional and emerging fundraising topics. Each semester, two two-credit-hour segments and two one credit-hour segments will be offered. The two credit hour courses - Organizing for Successful Fund Raising" and "Creating and Implementing the Annual Development Plan" - cover the basics of fund raising. The one-credit hour courses allow students to explore several different issues related to fund raising such as direct marketing and planned giving. These courses are recommended for nonprofit management students.

1-3 hrs

PUB-ADM 5555 A TOPICS IN NONPROFT FUNDRAISING: ORGANIZING FOR SUCCESSFUL FUND RAISING

1-3 hrs

PUB-ADM 5555 B TOPICS IN NONPROFT FUNDRAISING: CREATNG & IMPLEMNTNG ANNUAL DEVLOPMNT PLAN

1-3 hrs

PUB-ADM 5555 C TOPICS IN NONPROFT FUNDRAISING: DIRCT MARKETING & DIRECT MAIL IN FUND RAISNG

1-3 hrs

PUB-ADM 5555 D TOPICS IN NONPROFT FUNDRAISING: PLANNED GIVING AND MAJOR GIFT SOLICITATION

1-3 hrs

PUB-ADM 5555 E TOPICS IN NONPROFT FUNDRAISING: CONTEMPORARY TRENDS/ETHICAL ISSUES IN FUND RAISING

1-3 hrs

PUB-ADM 5555 F TOPICS IN NONPROFT FUNDRAISING: PROSPECT RESEARCH AND PROPOSAL WRITING

1-3 hrs

PUB-ADM 5555 G TOPICS IN NONPROFIT FUNDRAISING

1-3 hrs

PUB-ADM 5556 INNOVATION IN NONPROFIT MANAGEMENT AND LEADERSHIP

This course provides an opportunity for students in the nonprofit management specialization to examine "breaking" innovations in nonprofit management and leadership. Intra- and inter-sectoral collaborative strategies and total quality management are illustrative examples. Other topics will be considered as warranted. This course is recommended for students who have completed PUB-ADM 5525, PUB-ADM 5548 (or equivalents) and at least six hours of nonprofit management course work.

3 hrs

PUB-ADM 5565 TOPICS IN URBAN ADMINISTRATION

To flexibly treat the variety of strategies, information, and techniques in urban administration and leadership, these courses will be offered in variable credit hour segments. Each semester, courses will be offered around traditional and emerging topics. An initial "basics" series will be offered on community development organizations, urban economic development and community development strategies.

1-3 hrs

PUB-ADM 5565 A COMMUNITY ECONOMIC DEVELOPMENT:THE PLANNING CONTEXT

1 hr

PUB-ADM 5565 B COMMUNITY ECONOMIC DEVELOPMENT TOOLS & TECHNIQUES

1 hr

PUB-ADM 5565 C IMPLEMENTING EFFECTIVE COMMUNITY ECONOMIC DEVELOPMENT

1 hr

PUB-ADM 5570 DIVERSITY IN THE WORKPLACE

This course explores the many issues raised by the growing diversity of backgrounds (e.g., race, gender, culture) employees bring to the workplace. The course will examine diversity issues including demographics, relevant legislation, values questions, demands on management, and effects on service delivery to clients. To better illustrate the issues, some class sessions will feature guest lecturers representing a diversity of backgrounds and work settings.

3 hrs

PUB-ADM 5581 SEMINAR IN URBAN ADMINISTRATION

Advanced work on special topics in urban administration. Topics will vary. Prerequisite: PUB-ADM 535.

3 hrs

PUB-ADM 5585 SEMINAR IN PUBLIC AFFAIRS

Advanced work on special topics in public affairs.

3 hrs

PUB-ADM 5585 A SEMINAR IN PUBLIC AFFAIRS

Advanced work on special topics in public affairs.

3 hrs

PUB-ADM 5585 B SEMINAR IN PUBLIC AFFAIRS

Advanced work on special topics in public affairs.

3 hrs

PUB-ADM 5585 C SEMINAR IN PUBLIC AFFAIRS

Advanced work on special topics in public affairs.

3 hrs

PUB-ADM 5587 SPECIAL TOPICS

This course is designed to facilitate one of two purposes: an initial offering of a new course (prior to formal approval) or an initial and possible only offering of new topics. Prerequisite: Consent of the instructor

3 hrs

PUB-ADM 5595 INTERNSHIP SEMINAR

Combined classroom study and field internship. To be offered only when government agency internships approved by the Public Administration Committee are available. Prerequisite: 18 credit hours of completed courses.

1-3 hrs

PUB-ADM 5597 INDEPENDENT STUDY

Independent study and research in areas of special interest under individual faculty direction.Prerequisite: Preregistration consent of the instructor.

1-6 hrs

PUB-ADM 5598 C SUPERVISED RESEARCH: URBAN ADMINISTRATION

1-6 hrs

PUB-ADM 5598 G SUPERVISED RESEARCH: UNSPECIFIED

1-6 hrs

PUB-ADM 5599 THESIS

1-9 hrs

PUB-ADM 5610 INQUIRY IN PUBLIC ADMINISTRATION AND AFFAIRS

This course is designed to provide Ph.D. students a thorough grounding in strategies of inquiry. Issues considered include competing metatheoretical paradigms and alternative conceptions of explanation in the social and policy sciences, the implications of such alternatives for empirical research, the variety and standards of qualitative and quantitative approaches to theory and research, theory construction, and research ethics. Contemporary problems in public administration and affairs research and theory are emphasized.

3 hrs

PUB-ADM 5620 LITERATURE OF PUBLIC AFFAIRS AND ADMINISTRATION

This course grounds the student in the central ideas of the public affairs and administration literature and in the prominent themes of the discipline. The course is offered in two versions: A, in which the political science approach to public affairs and administration is emphasized; and B, in which the organizational theory and behavior approaches to public affairs and administration are emphasized. Ph.D. students whose coordinating discipline is public affairs and administration are ordinarily expected to complete both versions. Prerequisites for PUB-ADM 5620 A are completion of PUB-ADM 5525, PUB-ADM 5526 and PUB-ADM 5544 (or similar graduate level courses) and consent of the instructor. Prerequisites for PUB-ADM 5620 B are PUB-ADM 5548 and PA 5530 (or similar graduate level courses) and consent of the instructor.

3-6 hrs

PUB-ADM 5620 A **Literature Of Public Affairs And Administration:Political Science**

3-6 hrs

PUB-ADM 5620 B **Literature Of Public Affairs And Admin:Org Theory & Behavior**

3-6 hrs

PUB-ADM 5650 **Advanced Research In Public Affairs And Administration**

The course enables the student to present advanced topics in their fields of research interest and to have detailed critique and contributions on that research by the faculty. Prerequisites: PUB-ADM 610 and research requirements.

3 hrs

PUB-ADM 5699 **Dissertation And Research In Public Affairs And Administration**

Dissertation research and writing in the Public Affairs and Administration discipline. Prerequisite: Consent of instructor.

1-12 hrs

PUB-ADM 5899 **Required Graduate Enrollment**

1 hr

Conservatory of Music & Dance

Conservatory Courses Accordion

ACCORD 5500 A **Graduate Accordion-Secondary**

2 hrs

ACCORD 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

ACCORD 5500 C **Applied Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

Bassoon

BASSOON 5500 A **Graduate Bassoon-Secondary**

2 hrs

BASSOON 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

BASSOON 5500 C **Applied Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

BASSOON 5501 **Graduate Bassoon - Masters Performance**

4 hrs

BASSOON 5601 **Graduate Bassoon - Doctoral Performance**

4 hrs

CELLO

CELLO 5500 A **GRADUATE CELLO - SECONDARY**

2 hrs

CELLO 5500 B **SPECIAL APPLIED STUDIES**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

CELLO 5500 C **APPLIED STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

CELLO 5501 **GRADUATE CELLO - MASTERS PERFORMANCE**

4 hrs

CELLO 5601 **GRADUATE CELLO - DOCTORAL PERFORMANCE**

4 hrs

CLARINET

CLARINET 5500 A **GRADUATE CLARINET-SECONDARY**

2 hrs

CLARINET 5500 B **SPECIAL APPLIED STUDIES**

One-hour lesson weekly. This courses is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

CLARINET 5500 C **APPLIED STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

CLARINET 5500 JC **APPLIED JAZZ STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz study in an area other than, and in addition to, their primary performance study. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

CLARINET 5501 **GRADUATE CLARINET - MASTERS PERFORMANCE**

4 hrs

CLARINET 5601 **GRADUATE CLARINET - DOCTORAL PERFORMANCE**

4 hrs

CONSERVATORY

CONSVTY 5517 **ADVANCED OPERA WORKSHOP**

2 hrs

CONSVTY 5523 **ANALYTICAL PROCEDURES**

An introduction to recent methods of stylistic and formal analysis including twelve-tone, Schenkerian and set theoretic approaches.

3 hrs

CONSVTY 5524 B **Advanced Analysis II - Common Practice Period**

Theory and analysis of selected works from the 17th through the mid-19th century. Prerequisite: CONSVTY 5523 or consent of the instructor.

3 hrs

CONSVTY 5524 C **Advanced Analysis III - Contemporary Period**

Theory and analysis of selected works from the late 19th century to the present. Prerequisite: CONSVTY 5523 or consent of the instructor.

3 hrs

CONSVTY 5526 A **Introduction To Schenkerian Theory And Analysis**

An introduction to the theories and analytic methodology of Heinrich Schenker (1868-1935). Prerequisite: Passing theory matriculation score or completion of CONSVTY 421.

3 hrs

CONSVTY 5526 B **Schenkerian Analysis**

Continuation of 5526A emphasizing the acquisition of advanced skills in Schenkerian analysis. Prerequisite: CONSVTY 5526A and consent of the instructor.

3 hrs

CONSVTY 5527 **Advanced Counterpoint**

Analysis and writing in 18th century style and forms including canon, invention and fugue.

3 hrs

CONSVTY 5528 **Contemporary Harmonic/Contrapuntal Styles**

Analysis and writing in contemporary styles. Prerequisite: CONSVTY 428 or consent of the instructor.

3 hrs

CONSVTY 5529 **Aspects Of Time And Music**

A course offering a broad-based, multi-disciplinary exploration of the natures of time preparatory to an in-depth study of some of music's primary temporal aspects; these focus on complex treatments of rhythm and meter in tonal music. Prerequisite:CONSVTY 5523,CONSVTY 5591G, or permission of instructor. Offered: Winter 2002

3 hrs

CONSVTY 5531 **Advanced Orchestration**

A study of the scoring techniques of such composers as Debussy, Ravel, Schoenberg, Bartok, and Stravinsky, and the application of these techniques by the student in scoring works for small and large ensembles. In the case of the composition major, detailed work in orchestrating original compositions will be required. Prerequisite: CONSVTY 431 or consent of the instructor. May be repeated for credit.

3 hrs

CONSVTY 5533 **Advanced Composition**

Intensive work in advanced composition in the large forms for various vocal and instrumental ensembles and orchestra. May be repeated for credit. Prerequisite: Consent of the instructor.

3 hrs

CONSVTY 5534 **Advanced Electronic Music Composition**

Creative, original composition of music in diverse styles utilizing the full range of equipment and techniques available. May be repeated for credit. Prerequisite: Consent of the instructor.

3 hrs

CONSVTY 5534 B **Advanced Computer Music Language Study**

This course is designed to fulfill the computer language option of the foreign language requirement for DMA students in composition. Focus will be on development and mastery of skills in computer languages specifically related to musical composition , such as MAX or Csound, or in compositional uses of more general languages such as html, C, and Lingo. Prerequisite: CONSVTY 335 or consent of instructor.

3 hrs

CONSVTY 5534 C **Electroacoustic Music Aesthetics And Analysis**

An overview of the context and practice of electroacoustic music in two parts: 1) new aesthetic parameters of sonic composition made possible by technology; and 2) creating a cogent analysis of a work by developing individual, personalized analytical tools. Offered in rotation with CONSVTY 5534 (Advanced Electronic Composition) and CONSVTY 5534b (Computer Programming for Musicians). Prerequisite: None Offered: Every 3rd semester

3 hrs

CONSVTY 5540 A **Seminar In Adv Music Education Methods For Elementry Teachers**

A seminar in the design of music materials for K-6 students, preparation of elementary music teachers, and a review of elementary music literature and materials.

2 hrs

CONSVTY 5540 B ADVANCED METHODS IN INSTRUMENTAL MUSIC

Organizational and rehearsal techniques for programs from the beginning bands and orchestras through high school and college ensembles. Includes information regarding methods, materials and program building.

2 hrs

CONSVTY 5540 C ADVANCED METHODS IN CHORAL MUSIC

Addresses the organization of secondary and college choral classes and ensembles. Areas of study include methods, materials and program building.

2 hrs

CONSVTY 5543 PSYCHOLOGY OF MUSIC

The study of psychological aspects of music including acoustical phenomena and factors affecting musical preference, perception and taste. A review of related literature and basic methodology for experimental investigation and quantification of related variables will be included. Prerequisite: None

3 hrs

CONSVTY 5544 ADVANCED CLINICAL EXPERIENCE

Music Therapy practicum in a clinical area. Includes review of literature of that clinical area and presentation of materials and techniques used with clients.

2 hrs

CONSVTY 5545 SEMINAR IN MUSIC THERAPY

Discussion of current trends in music therapy.

2 hrs

CONSVTY 5547 HISTORY OF OPERA I

A survey of opera from its origins to 1800. Prerequisite: Consent of the instructor.

3 hrs

CONSVTY 5551 HISTORY OF THE ORATORIO

A study of the oratorio from its beginning through contemporary works.

3 hrs

CONSVTY 5554 MUSIC OF THE MEDIEVAL ERA

Seminar in the music of the Middle Ages, from 800 to 1400. Prerequisite: CONSVTY 5593

3 hrs

CONSVTY 5555 MUSIC OF THE RENAISSANCE

Seminar in the music of the Renaissance, from 1400 to 1600.

3 hrs

CONSVTY 5556 MUSIC OF THE BAROQUE ERA

Seminar in the music of the Baroque era, from 1600 to 1750. Prerequisite: CONSVTY 5593

3 hrs

CONSVTY 5557 MUSIC OF THE CLASSICAL ERA

Seminar in the music of the Classical era, from 1750 to 1828. Prerequisite: CONSVTY 5593.

3 hrs

CONSVTY 5558 MUSIC OF THE ROMANTIC ERA

Seminar in the music of the Romantic era from 1828 to 1914. Prerequisite: CONSVTY 5593.

3 hrs

CONSVTY 5559 A MUSIC SINCE 1900: 1900-1945

Seminar in music from 1900 to 1945. Prerequisite: CONSVTY 5593

3 hrs

CONSVTY 5559 B MUSIC SINCE 1900: 1945 TO THE PRESENT

Seminar in music since 1945. Prerequisite: CONSVTY 5593

3 hrs

CONSVTY 5560 A SEMINAR: HISTORY OF RUSSIAN VOCAL MUSIC

3 hrs

CONSVTY 5560 B SEMINAR: NINETEENTH-CENTURY NATIONALISM IN MUSIC

3 hrs

CONSVTY 5560 C SEMINAR: HISTORY OF AMERICAN MUSIC

3 hrs

CONSVTY 5561 ADVANCED MUSIC LITERATURE

Survey of the literature of the appropriate instrument. May be repeated for credit. Prerequisite: Consent of the instructor.

1-3 hrs

CONSVTY 5566 A ADVANCED VOCAL LITERATURE: FRENCH MELODIES

In-depth study of the French melodies of Duparc, Faure, Debussy, Ravel, and Poulenc.

2 hrs

CONSVTY 5566 B ADVANCED VOCAL LITERATURE: GERMAN LIEDER

In-depth study of the German lieder of Schubert, Schumann, Brahms, Wolf, Mahler, and Strauss.

2 hrs

CONSVTY 5566 C ADVANCED VOCAL LITERATURE: NATIONALISTIC ART SONGS

In-depth study of Nationalistic art songs of Russia, Scandinavia, Spain, and Middle Europe.

2 hrs

CONSVTY 5566 D ADVANCED VOCAL LITERATURE: 20TH CENTURY AMER & ENGL ART SONGS

In-depth study of the 20th Century American and English art songs.

2 hrs

CONSVTY 5570 MUSIC EDUCATION IN THE COLLEGE ENVIRONMENT

A preparation for entering and functioning in the college Music Education teaching environment. Course serves as a review and examination of missions and philosophies of Music Education programs in U.S. colleges and universities and an analysis of job responsibilities for college Music Education instructors.

3 hrs

CONSVTY 5574 HISTORY AND PHILOSOPHY OF MUSIC EDUCATION

An overview of the history of music education in this country from the beginning of the seventeenth century to the present. Also includes a discussion of the major philosophical models used to justify the study of music.

3 hrs

CONSVTY 5576 PROFESSIONAL ASPECTS OF COLLEGE TEACHING

Designed for graduate students planning a career in college teaching. Covers preparation of job application materials; presentation of a master class; interviews with a search committee and dean; faculty loads and evaluation procedures; tenure and rank, and relationships with students, colleagues and administrators.

2 hrs

CONSVTY 5577 ADVANCED VOCAL DICTION

This course is designed to review and hone diction skills in Italian, French and German on the level of professional opera, recital and oratorio performance; the vocal literature is approached through the text with both reading and singing practice, It is limited to graduate vocal majors. Prerequisites: CONSVTY 171, CONSVTY 172 or its equivalent. Offered: Every other Winter

2 hrs

CONSVTY 5582 A ADVANCED CHORAL CONDUCTING - TECHNIQUE

An introductory study of the techniques of choral conducting. An overview of conducting topics, including score preparation, rehearsal techniques and performance problems. May be repeated for credit.

2 hrs

CONSVTY 5582 B **ADVANCED CHORAL CONDUCTING - STYLE**

A study of conducting problems of music of the Renaissance, Baroque, Classic, Romantic and Twentieth century; further examination of performance problems associated with choral performances of madrigals, chamber music, a cappella works and music utilizing advanced compositional techniques. May be repeated for credit.

2 hrs

CONSVTY 5582 C **ADVANCED CHORAL CONDUCTING-REHEARSAL TECHNIQUES**

An advanced study of methods and rehearsal procedures in the development and organization of choral performance; includes concepts of tone quality, diction, programming, and development of communication skills. May be repeated for credit.

2 hrs

CONSVTY 5583 A **ADVANCED INSTRUMENTAL CONDUCTING**

An introductory study of the techniques of instrumental conducting. An overview of conducting topics, including score preparation, rehearsal techniques and performance problems.

2 hrs

CONSVTY 5583 B **ADVANCED INSTRUMENTAL CONDUCTING - ORCHESTRA**

A further study of the techniques of instrumental conducting, including such topics as string techniques, performance practice, baton technique and the art of accompaniment. Prerequisite: CONSVTY 5583A. May be repeated for credit.

2 hrs

CONSVTY 5583 C **ADVANCED INSTRUMENTAL CONDUCTING - BAND**

A further study of the technique of band conducting, including such topics as wind/percussion techniques, performance practice, baton technique, and contemporary wind chamber repertoire. Prerequisite: CONSVTY 5583A. May be repeated for credit.

2 hrs

CONSVTY 5586 A **SEMINAR IN ORCHESTRAL LITERATURE**

Advanced study of a variety of styles, periods, and analytical procedures encountered by orchestral conductors. Content will vary from semester to semester. May be repeated for credit.

2 hrs

CONSVTY 5586 B **SEMINAR IN WIND/BAND LITERATURE**

Advanced study of a variety of styles, periods, and analytical procedures encountered by instrumental conductors of wind ensembles/bands. Content will vary from semester to semester. May be repeated for credit.

2 hrs

CONSVTY 5587 A **SEMINAR IN CHORAL LITERATURE-MIDDLE AGES & RENAISSANCE**

Each seminar is concerned with the conductor's viewpoint of a segment of the literature from the specified historical periods and deals with analysis, interpretation, vocal problems, conducting problems, etc., of that literature. Prerequisite: Consent of the instructor.

2 hrs

CONSVTY 5587 B **SEMINAR IN CHORAL LITERATURE-BAROQUE AND CLASSICAL**

Each seminar is concerned with the conductor's viewpoint of a segment of the literature from the specified historical periods and deals with analysis, interpretation, vocal problems, conducting problems, etc., of that literature. Prerequisite: Consent of the instructor.

2 hrs

CONSVTY 5587 C **SEMINAR IN CHORAL LITERATURE-TWENTIETH CENTURY**

Each seminar is concerned with the conductor's viewpoint of a segment of the literature from the specified historical periods and deals with analysis, interpretation, vocal problems, conducting problems, etc., of that literature. PREREQUISITE: Consent of the instructor.

2 hrs

CONSVTY 5587 D **SEMINAR IN CHORAL LITERATURE-LARGE FORMS ORCHESTRAL ACCOMP**

Each seminar is concerned with the conductor's viewpoint of a segment of the literature from the specified historical periods and deals with analysis, interpretation, vocal problems, conducting problems, etc., of that literature. Prerequisite: Consent of the instructor.

2 hrs

CONSVTY 5587 E **SEMINAR IN CHORAL LITERATURE - SACRED**

Each seminar is concerned with the conductor's viewpoint of a segment of the literature from the specified historical periods and deals with analysis, interpretation, vocal problems, conducting problems, etc., of that literature. Prerequisite: Consent of the instructor.

2 hrs

CONSVTY 5589 ACADEMIC PORTFOLIO

Creative synthesis of coursework or clinical experience resulting in original products such as research documents, pedagogical materials, technology applications, music compositions or arrangements, and musical improvisation applications. Portfolio item may not include materials used to meet admission requirements. May be repeated for credit.

1 hr

CONSVTY 5589 A ACADEMIC PORTFOLIO II

Additional coursework or clinical experience resulting in original products. Open only to students concurrently enrolled in CONSVTY 5589.

1 hr

CONSVTY 5590 SPECIAL TOPICS

A seminar in selected topics in various fields and idioms of music. May be repeated for credit when the topic varies. Prerequisite: Consent of the instructor.

1-3 hrs

CONSVTY 5590 AD SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 BJ SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 CA SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 CE SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 CT SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 HA SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 SPECIAL TOPICS

HG

1-3 hrs

CONSVTY 5590 SPECIAL TOPICS

HS

1-3 hrs

CONSVTY 5590 IN SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 MB SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 OL SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 PO SPECIAL TOPICS

1-3 hrs

CONSVTY 5590 PP **Special Topics**

1-3 hrs

CONSVTY 5590 SV **Special Topics**

1-3 hrs

CONSVTY 5591 C **Advanced Pedagogy I - Organ**

2 hrs

CONSVTY 5591 E **Advanced Pedagogy I - Piano**

2 hrs

CONSVTY 5591 G **Pedagogy Of Music Theory I**

Study of teaching techniques and materials combined with supervised teaching. Prerequisite: Consent of the instructor.

3 hrs

CONSVTY 5591 H **Advanced Pedagogy I - Voice**

2 hrs

CONSVTY 5591 J **Advanced Pedagogy I-General**

An overview of basic pedagogical practice including modes of instruction, feedback, reinforcement, and assessment. Students will review current literature in this area and develop a project related to their own teaching. Prerequisite: none

2 hrs

CONSVTY 5591 K **Pedagogy Of Music History**

Techniques and materials related to teaching music history and music appreciation combined with supervised teaching. Prerequisite: Consent of instructor Offered: Every other Winter On Demand

3 hrs

CONSVTY 5592 C **Advanced Pedagogy II - Organ**

2 hrs

CONSVTY 5592 E **Advanced Pedagogy II - Piano**

2 hrs

CONSVTY 5592 H **Advanced Pedagogy II - Voice**

2 hrs

CONSVTY 5593 **Introduction To Research And Bibliography In Music**

A survey of procedure in bibliography, research, and scholarly writing.

3 hrs

CONSVTY 5594 A **Introduction To Descriptive And Experimental Research In Music**

Introduction to basic descriptive and experimental methodologies in music. Includes a review of important literature in music, proposal writing, design, data analysis and scholarly writing styles used in graduate research.

3 hrs

CONSVTY 5596 **Research In Teaching/Learning Music**

A study of contemporary research in learning and teaching, its application to music, and the systematic observation and quantification of musical behavior. Prerequisite: None

3 hrs

CONSVTY 5597 **Master's Recital**

4 hrs

CONSVTY 5597 A **MASTER'S CONDUCTING PERFORMANCE**

4 hrs

CONSVTY 5597 B **MASTER'S RECITAL II**

4 hrs

CONSVTY 5597 CE **MASTER'S RECITAL**

4 hrs

CONSVTY 5598 **RESEARCH PROBLEMS**

Individual study with a member of the adjunct, associate or graduate faculty. Study will culminate in the writing of a formal paper. Research projects must be completed within two consecutive semesters, and filed in the Music Library. The paper must be in agreement with the Conservatory Library's Format Guidelines for Music Dissertations and Theses.

2 hrs

CONSVTY 5598 B **RESEARCH PROBLEMS IN COMPUTER LANGUAGES AND MUSIC**

Individual study with a member of the adjunct, associate, or graduate faculty. Study will culminate in the production of a project (computer program, CD-ROM,composition, or other document) that demonstrates skills in computer languages specifically related to music. This course fulfills the computer language option of the foreign language for DMA students in composition.

1-3 hrs

CONSVTY 5599 **THESIS**

1-9 hrs

CONSVTY 5620 **HISTORY OF MUSIC THEORY I**

A study of theoretical treatises, in the original languages and in translation, from earliest times through treatises on the thorough bass.

3 hrs

CONSVTY 5621 **HISTORY OF MUSIC THEORY II**

A study of theoretical treatises, in the original languages and in translation, from the 18th-20th Centuries.

3 hrs

CONSVTY 5674 **MUSIC ADMINISTRATION IN HIGHER EDUCATION**

An historical survey of the music program in higher education, its philosophy, purpose and function; discussions of administrative problems of personnel, budget, public relations, recruitment, curriculum and development.

3 hrs

CONSVTY 5693 **ADVANCED RESEARCH AND BIBLIOGRAPHY IN MUSIC**

Advanced procedures in bibliography, research, and scholarly writing. Prerequisite: CONSVTY 5593 Offered: Every other Winter

3 hrs

CONSVTY 5695 **PRACTICUM IN MUSIC EDUCATION**

Individual conference course requiring the development of a research paper in a special subject and designed to resolve a practical problem of special interest to the student. Conference.

3-6 hrs

CONSVTY 5697 **DOCTORAL RECITAL**

4 hrs

CONSVTY 5697 A **DOCTORAL LECTURE RECITAL**

4 hrs

CONSVTY 5697 B **DOCTORAL CONDUCTING PERFORMANCE**

4 hrs

CONSVTY 5697 BP **DOCTORAL CONDUCTING PERFORMANCE PAPER**

Individual study with the student's conducting teacher. Study will culminate in the writing of a formal paper addressing aspects of a doctoral conducting performance.

1 hr

CONSVTY 5697 C **DOCTORAL RECITAL II**

1-4 hrs

CONSVTY 5697 CP **DOCTORAL RECITAL PAPER II**

Additional individual study with the student's applied teacher. Study will culminate in the writing of another formal paper addressing aspects of a doctoral recital. Open only to students concurrently enrolled in CONSVTY 697P.

1 hr

CONSVTY 5697 D **DOCTORAL CONDUCTING PERFORMANCE II**

1-4 hrs

CONSVTY 5697 DP **DOCTORAL CONDUCTING PERFORMANCE PAPER**

Additional individual study with the student's conducting teacher. Study will culminate in the writing of another formal paper addressing aspects of a doctoral conducting performance. Open only to students concurrently enrolled in CONSVTY 5697BP.

1 hr

CONSVTY 5697 P **DOCTORAL RECITAL PAPER**

Individual study with the student's applied teacher. Study will culminate in the writing of a formal paper addressing aspects of a doctoral recital.

1 hr

CONSVTY 5698 **RESEARCH PROBLEMS**

Individual study with a member of the adjunct, associate, graduate or doctoral faculty. Study will culminate in the writing of a scholarly paper.

2 hrs

CONSVTY 5698 A **DOCTORAL RESEARCH PROBLEMS II**

Additional study with a member of the adjunct, associate, graduate or doctoral faculty. Study will culminate in the writing of another scholarly paper. Open only to students concurrently enrolled in CONSVTY 5698.

2 hrs

CONSVTY 5698 B **DOCTORAL MUSIC PRODUCT**

Individual study with a member of the adjunct, associate, graduate, or doctoral faculty. Study will culminate in the writing of a creative, original composition, arrangement or edition of music.

1-4 hrs

CONSVTY 5699 **DISSERTATION RESEARCH**

1-16 hrs

CONSVTY 5699 A **DISSERTATION RESEARCH**

1-16 hrs

CONSVTY 5899 **REQUIRED GRADUATE ENROLLMENT**

1 hr

CONSVTY H5593 **INTRODUCTION TO RESEARCH AND BIBLIOGRAPHY IN MUSIC**

A survey of procedure in bibliography, research, and scholarly writing.

3 hrs

DANCE EUPHONIUM

EUPHNM 5500 A **GRADUATE EUPHONIUM-SECONDARY**

2 hrs

EUPHNM 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

EUPHNM 5500 C **Applied Study Of A Second Instrument**

One-half hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

EUPHNM 5501 **Graduate Euphonium - Master's Performance**

4 hrs

EUPHNM 5601 **Graduate Euphonium - Doctoral Performance**

4 hrs

FLUTE

FLUTE 5500 A **Graduate Flute-Secondary**

2 hrs

FLUTE 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

FLUTE 5500 C **Applied Study Of A Second Instrument**

One Half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

FLUTE 5500 JC **Applied Jazz Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz study in an area other than, and in addition to, their primary performance study. Consent of instructor required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

FLUTE 5501 **Graduate Flute - Masters Performance**

4 hrs

FLUTE 5601 **Graduate Flute - Doctoral Performance**

4 hrs

GUITAR

GUITAR 5500 A **Graduate Guitar-Secondary**

2 hrs

GUITAR 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

GUITAR 5500 C **Applied Study Of A Second Instrument**

One Half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

GUITAR 5500 JA **Graduate Applied Jazz Studies**

One hour lesson weekly. Consent of instructor and a jury examination are required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

GUITAR 5500 JB **Special Applied Jazz Studies**

One hour lesson weekly. This course is for pedagogical or review purposes. A jury for comments only may be held at the discretion of the faculty. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

GUITAR 5500 JC **Applied Jazz Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz study in an area other than, and in addition to, their primary performance study. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

GUITAR 5501 **Graduate Guitar - Masters Performance**

4 hrs

GUITAR 5601 **Graduate Guitar - Doctoral Performance**

4 hrs

HARP

HARP 5501 **Graduate Harp - Masters Performance**

2-4 hrs

HARP 5601 **Graduate Harp - Doctoral Performance**

2-4 hrs

HARPSICHORD

HRPCHD 5500 A **Graduate Harpsichord-Secondary**

2 hrs

HRPCHD 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

HRPCHD 5500 C **Applied Study Of A Second Instrument**

One Half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

HORN

HORN 5500 A **Graduate Horn-Secondary**

2 hrs

HORN 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. an audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

HORN 5500 C **Applied Study Of A Second Instrument**

One Half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

HORN 5501 GRADUATE FRENCH HORN - MASTERS PERFORMANCE

4 hrs

HORN 5601 GRADUATE HORN - DOCTORAL PERFORMANCE

4 hrs

OBOE

OBOE 5500 A GRADUATE OBOE-SECONDARY

2 hrs

OBOE 5500 B SPECIAL APPLIED STUDIES

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

OBOE 5500 C APPLIED STUDY OF A SECOND INSTRUMENT

One Half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

OBOE 5501 GRADUATE OBOE-MASTER PERFORMANCE

4 hrs

OBOE 5601 GRADUATE OBOE - DOCTORAL PERFORMANCE

4 hrs

ORGAN

ORGAN 5500 A GRADUATE ORGAN-SECONDARY

2 hrs

ORGAN 5500 B SPECIAL APPLIED STUDIES

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

ORGAN 5500 C APPLIED STUDY OF A SECOND INSTRUMENT

One Half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

ORGAN 5501 GRADUATE ORGAN - MASTERS PERFORMANCE

4 hrs

ORGAN 5601 GRADUATE ORGAN - DOCTORAL PERFORMANCE

4 hrs

PERCUSSION

PERCSN 5500 A GRADUATE PERCUSSION-SECONDARY

2 hrs

PERCSN 5500 B SPECIAL APPLIED STUDIES

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

PERCSN 5500 C **APPLIED STUDY OF A SECOND INSTRUMENT**

One Half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

PERCSN 5500 JA **GRADUATE APPLIED JAZZ STUDIES**

One hour lesson weekly. Consent of instructor and a jury examination are required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

PERCSN 5500 JB **SPECIAL APPLIED JAZZ STUDIES**

One hour lesson weekly. This course is for pedagogical or review purposes. A jury for comments only may be held at the discretion of the faculty. Consent of instructor required. Prerequisite: Graduate status & permission of instructor Offered: Every Fall/Every Winter

2 hrs

PERCSN 5500 JC **APPLIED JAZZ STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz study in an area other than, and in addition to, their primary performance study. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

PERCSN 5501 **GRADUATE PERCUSSION - MASTERS PERFORMANCE**

4 hrs

PERCSN 5601 **GRADUATE PERCUSSION - DOCTORAL PERFORMANCE**

4 hrs

PIANO

PIANO 5500 A **GRADUATE PIANO-SECONDARY**

2 hrs

PIANO 5500 B **SPECIAL APPLIED STUDIES**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

PIANO 5500 C **APPLIED STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

PIANO 5500 JA **GRADUATE APPLIED JAZZ STUDIES**

One hour lesson weekly. Consent of instructor and a jury examination are required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

PIANO 5500 JB **SPECIAL APPLIED JAZZ STUDIES**

One hour lesson weekly. This course is for pedagogical or review purposes. A jury for comments only may be held at the discretion of the faculty. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

PIANO 5500 JC **APPLIED JAZZ STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz study in an area other than, and in addition to, their primary performance study. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

PIANO 5501 **GRADUATE PIANO - MASTERS PERFORMANCE**

4 hrs

PIANO 5601 **GRADUATE PIANO - DOCTORAL PERFORMANCE**

4 hrs

SAXOPHONE

SAXOPH 5500 A **GRADUATE SAXOPHONE-SECONDARY**

2 hrs

SAXOPH 5500 B **SPECIAL APPLIED STUDIES**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

SAXOPH 5500 C **APPLIED STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

SAXOPH 5500 JA **GRADUATE APPLIED JAZZ STUDIES**

One hour lesson weekly. Consent of instructor and a jury examination are required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

SAXOPH 5500 JB **SPECIAL APPLIED JAZZ STUDIES**

One hour lesson weekly. This course is for pedagogical or review purposes. A jury for comments only may be held at the discretion of the faculty. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/Every Winter

2 hrs

SAXOPH 5500 JC **APPLIED JAZZ STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz study in an area other than, and in addition to, their primary performance study. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

SAXOPH 5501 **GRADUATE SAXOPHONE - MASTERS PERFORMANCE**

4 hrs

SAXOPH 5601 **GRADUATE SAXOPHONE - DOCTORAL PERFORMANCE**

4 hrs

STRING BASS

STR-BASS 5500 A **GRADUATE STRING BASS-SECONDARY**

2 hrs

STR-BASS 5500 B **SPECIAL APPLIED STUDIES**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

STR-BASS 5500 C **APPLIED STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

STR-BASS 5500 JA **GRADUATE APPLIED JAZZ STUDIES**

One hour lesson weekly. Consent of instructor and a jury examination are required. Prerequisites: Graduate status & Permission of instructor. Offered: Every Fall/ Every Winter

2 hrs

STR-BASS 5500 JB **Special Applied Jazz Studies**

One hour lesson weekly. This course is for pedagogical or review purposes. A jury for comments only may be held at the discretion of the faculty. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

STR-BASS 5500 JC **Applied Jazz Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz study in an area other than, and in addition to, their primary performance study. Consent of instrutor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

STR-BASS 5501 **Graduate String Bass - Masters Performance**

4 hrs

STR-BASS 5601 **Graduate String Bass - Doctoral Performance**

4 hrs

TROMBONE

TROMB 5500 A **Graduate Trombone-Secondary**

2 hrs

TROMB 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

TROMB 5500 C **Applied Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

TROMB 5500 JA **Graduate Applied Jazz Studies**

One hour lesson weekly. Consent of instructor and a jury examination are required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

TROMB 5500 JB **Special Applied Jazz Studies**

One hour lesson weekly. This course is for pedagogical or review purposes. A jury for comments only may be held at the discretion of the faculty. Consent of instructor required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

TROMB 5500 JC **Applied Jazz Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz study in an area other than, and in addition to, their primary performance study. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

TROMB 5501 **Graduate Trombone - Masters Performance**

4 hrs

TROMB 5601 **Graduate Trombone - Doctoral Performance**

4 hrs

TRUMPET

TRUMPET 5500 A **Graduate Trumpet-Secondary**

2 hrs

TRUMPET 5500 B **SPECIAL APPLIED STUDIES**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

TRUMPET 5500 C **APPLIED STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

TRUMPET 5500 JA **GRADUATE APPLIED JAZZ STUDIES**

One hour lesson weekly. Consent of instructor and a jury examination are required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

TRUMPET 5500 JB **SPECIAL APPLIED JAZZ STUDIES**

One hour lesson weekly. This course is for pedagogical or review purposes. A jury for comments only may be held at the discretion of the faculty. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

2 hrs

TRUMPET 5500 JC **APPLIED JAZZ STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied jazz in an area other than, and in addition to, their primary performance study. Consent of instructor is required. Prerequisites: Graduate status & permission of instructor Offered: Every Fall/ Every Winter

1 hr

TRUMPET 5501 **GRADUATE TRUMPET - MASTERS PERFORMANCE**

4 hrs

TRUMPET 5601 **GRADUATE TRUMPET - DOCTORAL PERFORMANCE**

4 hrs

TUBA

TUBA 5500 A **GRADUATE TUBA-SECONDARY**

2 hrs

TUBA 5500 B **SPECIAL APPLIED STUDIES**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

TUBA 5500 C **APPLIED STUDY OF A SECOND INSTRUMENT**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

TUBA 5501 **GRADUATE TUBA - MASTERS PERFORMANCE**

4 hrs

TUBA 5601 **GRADUATE TUBA - DOCTORAL PERFORMANCE**

4 hrs

VIOLA

VIOLA 5500 A **GRADUATE VIOLA-SECONDARY**

2 hrs

VIOLA 5500 B **Special Applied Studies**

One-hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

VIOLA 5500 C **Applied Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

VIOLA 5501 **Graduate Viola - Masters Performance**

4 hrs

VIOLA 5601 **Graduate Viola - Doctoral Performance**

4 hrs

VIOLIN

VIOLIN 100A **Preparatory Applied Study**

One hour weekly lesson. Limited to two semesters study. Jury examination is required. There shall be a jury which shall be for comments only unless the student is applying for entrance to the 101 level, at which time a graded jury is required. May not be taken for credit towards the major. Consent of the instructor.

020

VIOLIN 100B **Applied Study Of A Second Instrument**

Applied study of a second instrument. One-half hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

020

VIOLIN 100C **Applied Study For The Non-Music Major**

Applied study for the non-music major. One-half hour lesson weekly. No jury required. Consent of the instructor.

020

VIOLIN 100D **Applied Study For The Non-Music Major**

Nine one-half hour lessons. No jury required.

010

VIOLIN 101 **Freshman Violin I**

040

VIOLIN 102 **Freshman Violin II**

040

VIOLIN 201 **Sophomore Violin I**

040

VIOLIN 202 **Sophomore Violin II**

040

VIOLIN 301 **Junior Violin I**

040

VIOLIN 302 **Junior Violin II**

040

VIOLIN 401 **Senior Violin I**

040

VIOLIN 402 **Senior Violin II**

040

VOICE

VOICE 5500 A **Graduate Voice-Secondary**

2 hrs

VOICE 5500 B **Special Applied Studies**

One hour lesson weekly. This course is for pedagogical or review purposes. An audition is required, and a jury for comments only may be held at the discretion of the division. May be repeated for credit. Consent of the instructor required.

2 hrs

VOICE 5500 C **Applied Study Of A Second Instrument**

One half-hour lesson weekly. Applied study for those students who wish to pursue applied study in an area other than, and in addition to, their primary performance study. No jury examination is required. Consent of the instructor.

1 hr

VOICE 5501 **Graduate Voice - Masters Performance**

4 hrs

VOICE 5601 **Graduate Voice - Doctoral Performance**

4 hrs

School of Dentistry

SCHOOL OF DENTISTRY COURSES DENTAL HYGIENE (DENHY)

DENT-HYG 5500 **Introduction To Educational Methodology**

This course is designed to introduce the student to educational methodologies in higher education. Topics include are: preparation of course syllabi, the use of instructional objectives in course development, development of presentation objectives, teaching/learning strategies, instructional presentation, basic principles of testing, student and self evaluation. Offered: Fall Semester on-line only.

2-4 hrs

DENT-HYG 5510 **Student Teaching And Conference I**

Student teaching experience in classroom areas as selected by the student under the direction of a supervising professor. The student develops behavioral course objectives, test and examination items, classroom presentations, and prepares student evaluations in the selected classroom teaching areas. The student may select teaching assignments in one of the developed externship student teaching programs. Conferences will be held in conjunction with the course. Offered: TBA Prerequisite: DENT-HYG 5500

2-4 hrs

DENT-HYG 5512 **Student Teaching And Conference II**

This course is designed to provide the graduate dental hygiene student with additional experience in classroom teaching. Student teaching experiences will be selected by the student under the direction of and in conference with a supervising professor. Offered: TBA

2-4 hrs

DENT-HYG 5516 **Special Issues In Higher Education For Health Professional**

This course is designed to introduce the student to issues encountered in higher education. Weekly classroom sessions will address subjects such as: grantsmanship, accreditation, promotion and tenure, faculty governance, outcomes assess, managed care, use of theory to guide practice, and case-based learning. Offered: Winter Semester on-line only.

2-4 hrs

DENT-HYG 5520 **Independent Study In Hospital Dentistry**

An introduction to the role of the dental hygienist in one or more clinical settings within the hospital environment. The settings may include the operating room, surgical wards, prenatal clinics, post-partum area, medical docent teams, medical clinics, specialty clinics and other areas of special interest. Specific student experiences are to be arranged in consultation with and under the direction of the hospital dental hygiene faculty member. Offered: TBA

2-4 hrs

DENT-HYG 5530 CLINICAL INSTRUCTION AND CONFERENCE I

Actual experiences in clinical instruction under the supervision of a School of Denistry faculty member. Students will be encouraged to apply knowledge gained in the didatic component during actual clinical instructional experiences. Offered: Fall Semester, on-line and on-site.

1-4 hrs

DENT-HYG 5532 CLINICAL INSTRUCTION AND CONFERENCE II

This course is designed to provide the graduate dental hygiene student with additional experience in clinical teaching. Student teaching experiences will be selected by the student under the direction and in conference with the Director and supervising professor. Offered: TBA Prerequisite: DENT-HYG 530

1-4 hrs

DENT-HYG 5553 SEMINAR IN ADVANCED CLINICAL TECHNIQUES AND METHODOLOGIES

This course will expand on the student's basic knowledge of the dental hygiene process of care. Current scientific literature related to topics in dental hygiene and oral health will be examined to enhance background knowledge related to the dental hygiene process of care and foster an attitude of life-long learning. Offered: Winter Semester on-line only.

2-4 hrs

DENT-HYG 5560 PRACTICUM IN CLINICAL SUPERVISION AND MANAGEMENT

Practical experience in functioning as a Clinic Supervisor. Clinical managerial projects will be assigned according to students' interests and goals by agreement between student and instructor. Offered: TBA

2-4 hrs

DENT-HYG 5565 ADVANCED SPECIAL PATIENT CARE PRACTICUM I

This course is designed to familiarize the student with general principles of cancer therapy and the role of the dental team in the multidisciplinary care of patients undergoing oncology treatments. Special emphasis will be placed on the treatment of the patient with head and neck cancer, and preventive and palliative dental interventions for control of the orl complications associated with all cancer therapies. Cancer prevention issues and the psychosocial and economic impact of cancer diagnosis will also be discussed. Offered: TBA

1-4 hrs

DENT-HYG 5566 ADVANCED SPECIAL PATIENT CARE PRACTICUM II

This course will provide the graduate dental hygiene student with the opportunity to explore the relationship of an oncology dental program to medical health care facilities. Offered: TBA

1-4 hrs

DENT-HYG 5570 ADMINISTRATIVE PRACTICUM

Practical experience in administration. The student selects areas of responsibility based on their goals and interests in administration. Possible areas of involvement are: recruitment, admissions, curriculum and course development, course scheduling, grant and report writing and student advising. Offered: TBA

1-4 hrs

DENT-HYG 5580 SPECIAL TOPICS IN DENTAL HYGIENE-EXPANDED DUTIES

Theoretical and clinical experience in expanded duties for the dental hygienist in the areas of local anesthesia and restorative dentistry. Offered: TBA

3 hrs

DENT-HYG 5590 INDEPENDENT STUDY

Independent study of a particular topic or area of interest to the student in dental hygiene/dentistry and/or higher education. Offered: TBA

1-4 hrs

DENT-HYG 5595 WRITING IN SCIENCE

This seminar course is designed to provide advanced education students in the health professions the skills necessary to write and communicate in science. Course activities and topics include: critical analysis of the literature, literature summary tables, structure and organization of documents, style and usuage, drafting, revising and finishing. Participants will practice the craft of scientific writing not only as the writer but also as the reader providing correction and reorganization where appropriate. While this course examines many writing tasks, exercise culminate with the development of a research protocol or scientific article. Offered: Winter Semester, on-line only

1-2 hrs

DENT-HYG 5599 RESEARCH AND THESIS

This course is designed to support the research process from protocol development through data collection and report of results. Research committee chairperson typically serves as the course director.

1-6 hrs

DENTISTRY (DENT)

DENT 5517 INTERNATIONAL OUTREACH

Students in predoctoral dental education or advanced educationin the dental school will have the opportunity to apply knowledge and skills while delivering care in a international setting.The long range goal is a practitioner who is sensitiveto diverse community needs.

1 hr

ENDODONTICS

ENDO 5701 ENDODONTOLOGY 1

This course is designed to introduce the first year endodontic postgraduate student to the field of advanced endodontics. It will provide introductory information and guidance which will serve as a basis for follow on course work in ENDO 5702 through ENDO 5706. Prerequisite: None

1-6 hrs

ENDO 5702 ENDODONTOLOGY 2

This course is designed to continue the transition of the general dentist into a first year endodontic postgraduate student in the field of advanced endodontics. It will build upon material taught in previous courses of instruction as well as introduce completely new material to the resident. Prerequisite: None

1-6 hrs

ENDO 5703 ENDODONTOLOGY 3

This course is designed to complete the transition of the general dentist into a first year endodontic postgraduate student in the field of advanced endodontics. It will build upon material taught in previous courses of instruction as well as introduce completely new materal to the resident. Prerequisites: ENDO 5701 & ENDO 5702 Offered: On demand

1-6 hrs

ENDO 5704 ENDODONTOLOGY 4

This course is designed to transition the first year into a second year postgraduate student in the field of advanced endodontics. It will build upon material taught in previous courses of instruction as well as introduce completely new material to the resident. Prerequisites: ENDO 5701, ENDO 5702, ENDO 5703.

1-6 hrs

ENDO 5705 ENDODONTOLOGY 5

This course is designed to continue the transition of the general dentist into a more proficient second year postgraduate student in the field of advanced endodontics. It will build upon material taught in previous courses of instruction as well as introduce completely new material to the resident. Prerequisites: ENDO 5701, ENDO 5702, ENDO 5703, ENDO 5704

1-6 hrs

ENDO 5706 ENDODONTOLOGY 6

This course is designed to complete the transition of the general dentist into a fully independently practicing endodontist. It will build upon material taught in previous courses of instruction as well as introduce completely new material to the resident. Prerequisite: ENDO 5701, ENDO 5702, ENDO 5703, ENDO 5704, ENDO 5705

1-6 hrs

GENERAL PRACTICE

G-PRAC 5710 PRINCIPLES OF PEDODONTICS FOR GENERAL PRACTICE

A lecture course presenting the basic concepts of diagnosis and treatment of the child in a general dental practice.

2 hrs

G-PRAC 5716 SPECIAL PROBLEMS IN GENERAL PRACTICE DENTISTRY I

Courses designed to provide the student with opportunities to work with consultants and specialists on the faculty of the dental school on cases which require the attention of a specialist.

1-6 hrs

G-PRAC 5717 SPECIAL PROBLEMS IN GENERAL PRACTICE DENTISTRY II

A continuation of G-PRAC 5716.

1-6 hrs

G-PRAC 5718 SPECIAL PROBLEMS IN GENERAL PRACTICE DENTISTRY III

A continuation of G-PRAC 5717.

1-6 hrs

G-PRAC 5721 GENERAL PRACTICE CLINIC I

1-10 hrs

G-PRAC 5722 General Practice Clinic II

1-10 hrs

G-PRAC 5723 General Practice Clinic III

1-10 hrs

G-PRAC 5724 Hospital Residency In General Practice Iv

2 hrs

G-PRAC 5725 Hospital Residency In General Practice V

4 hrs

G-PRAC 5726 Hospital Residency In General Practice Vi

4 hrs

G-PRAC 5727 General Practice Clinical Pedodontics

Clinical training in treating normal and handicapped children at Children's Mercy Hospital. Training includes providing treatment under general anesthesia at the hospital.

1 hr

G-PRAC 5728 Dental Implantology

The course is designed to include the following topics: history of implantology, implant materials and designs, fibroosseous and osseo-integration theories, bioinert and bioactive retention, indication and case selection, technique methodology, anatomical considerations and reasons for failure, prosthetic considerations using several systems and necessary radiographic aids, surgical stent and laboratory with simulated insertion of an implant.

1 hr

G-PRAC 5729 Oral Endosteal Implantology II

A continuation of G-PRAC 5728.

2 hrs

G-PRAC 5730 Introduction To Periodontology

This course is designed to introduce graduate students who are not enrolled in the periodontics program to various current philosophies and clinical applications of Periodontics including etiology, diagnosis, pathogenesis and various treatment modalities in current use.

1-2 hrs

G-PRAC 5731 Principles Of Minor Tooth Movement

This lecture and laboratory course gives the non-orthodontic student an introduction to craniofacial growth and development physiology of the stomatognathic system, to etiology, incidence, recognition and unfavorable sequelae of malocclusion, and to the fabrication of removable and fixedbanded appliances necessary for the correction of minor irregularities.

2 hrs

G-PRAC 5732 Intravenous And Inhalation Sedation

A comprehensive study of nitrous oxide and valium sedation combining lectures and clinical problems.

2 hrs

G-PRAC 5740 Interdisciplinary Seminar I

The integration of common areas of concern in the clinical disciplines of Oral and Maxillofacial Surgery, Orthodontics, Pediatric Dentistry, Periodontics and Prosthodontics as they relate to patient cases. Cases are presented that present problems in at least two clinical disciplines in the areas of Diagnosis, Treatment Programming or Therapy. The current literature is reviewed and the case discussed.

1 hr

G-PRAC 5741 Interdisciplinary Seminar II

A continuation of G-PRAC 5740.

1 hr

G-PRAC 5742 Interdisciplinary Seminar III

A continuation of G-PRAC 5741.

1 hr

G-PRAC 5743 Interdisciplinary Seminar Iv

A continuation of G-PRAC 5742.

1 hr

G-PRAC 5799 Research And Thesis

The satisfactory completion of an original research project. Results of the research and critical review of the pertinent literature are incorporated into a thesis.

1-6 hrs

G-PRAC 5899 Required Graduate Enrollment

1 hr

Oral Biology

OR-BIO 5699 Dissertation Research

Ph.D. dissertation research.

1-12 hrs

OR-BIO 5807 Structure And Properties Of Calcified Tissues

An introduction to the development of calcified tissues as hierarchical structural/material systems. Starting at the cellular level, bone modeling, remodeling and mechanisms of mineralization will be introduced to be followed by analyzing bone's structural hierarchy and its effects on anisotropic material properties. Fracture mechanisms, viscoelastic and composite properties also will be studied. Expermental techniques measuring various material properties of these tissues will be introduced and/or demonstrated where appropriate. Prerequisite: Consent of instructor.

2 hrs

OR-BIO 5899 Required Graduate Enrollment

1 hr

Oral Radiology

OR-RAD 5704 Oral Radiology Residency I

Clinical and didactic study of oral radiology.

1-5 hrs

OR-RAD 5705 Oral Radiology Residency II

Clinical and didactic study of oral radiology.

1-5 hrs

OR-RAD 5706 Oral Radiology Residency III

Clinical and didactic study of oral radiology.

1-5 hrs

OR-RAD 5707 Oral Radiology Residency Iv

Clinical and didactic study of oral radiology.

1-5 hrs

OR-RAD 5708 Oral Radiology Residency V

Clinical and didactic study of oral radiology.

1-5 hrs

OR-RAD 5709 Oral Radiology Residency Vi

Clinical and didactic study of oral radiology.

1-5 hrs

OR-RAD 5716 Special Problems Oral Radiology I

Assigned technical problems in oral radiology.

1 hr

OR-RAD 5720 ADVANCED RADIOGRAPHIC ANATOMY

Correlation between normal anatomic structures of the head and neck region and the radiographic appearance of these structures on intraoral, panoramic, skull and conventional tomographic projections.

1 hr

OR-RAD 5721 ADVANCED RADIOGRAPHIC INTERPRETATION

Radiographic interpretation of normal and pathologic processes of the oral and maxillofacial region. Developmental, degenerative, inflammatory, neoplastic, and metabolic conditions of the oral and maxillofacial complex are covered, including conditions involving the temporomandibular joint and paranasal sinuses.

2 hrs

OR-RAD 5722 RADIATION PHYSICS

Basic principles of radiation physics in relation to medical and dental diagnostic radiology are presented. Topics such as the nature of radiation, x-rays and their production, interaction of x-rays with matter, measurement of x-rays, x-ray film and intensifying screens, and image characteristics are presented.

2 hrs

OR-RAD 5723 RADIATION BIOLOGY

This course covers the basic principles of radiation biology, as well as radiation safety and protection. Topics such as theories of radiation action, radiation chemistry, molecular, cellular and tissue effects, early and late effects of radiation, effects of radiation therapy on the oral cavity, and concepts of radiation protection and risk assessment are presented. Satisfactory completion of a project in the area of radiation biology is required for the additional credit hour.

2 hrs

OR-RAD 5724 ADVANCED IMAGING MODALITIES

This course will cover basic principles and interpretation of advanced imaging modalities, such as computed tomography, digital radiography, magnetic resonance imaging, nuclear medicine and ultrasound. Applications of these imaging modalities to dentistry will be addressed. Prerequisite: OR RAD 722.

2 hrs

ORAL SURGERY

OR-SURG 5700 PRINCIPLES OF ORAL SURGERY I

A conference on diagnosis, treatment planning, surgical technique.

1 hr

OR-SURG 5701 PRINCIPLES OF ORAL SURGERY II

A continuation of OR-SURG. 5700.

1 hr

OR-SURG 5702 PRINCIPLES OF ORAL SURGERY III

A continuation of OR-SURG 5701.

1 hr

OR-SURG 5703 PRINCIPLES OF ORAL SURGERY Iv

A continuation of OR-SURG 5702.

1 hr

OR-SURG 5704 CLINICAL ORAL SURGERY I

The clinical application of the principles of diagnosis, treatment planning, and surgical techniques.

3 hrs

OR-SURG 5705 CLINICAL ORAL SURGERY II

A continuation of OR-SURG. 5704.

3 hrs

OR-SURG 5706 CLINICAL ORAL SURGERY III

A continuation of OR-SURG. 5705.

3 hrs

OR-SURG 5707 PHYSICAL DIAGNOSIS FOR THE ORAL & MAXILLOFACIAL SURGEON I

Basic physical diagnosis and review of systems as it relates to the practice of Oral and Maxillofacial Surgery.

1 hr

OR-SURG 5708 Physical Diagnosis For The Oral & Maxillofacial Surgeon II

Advanced physical diagnosis and review of systems as it relates to the practice of Oral and Maxillofacial Surgery.

1 hr

OR-SURG 5709 Physical Diagnosis For The Oral & Maxillofacial Surgeon III

Oral and Maxillofacial Surgery and the medically compromised patient.

1 hr

OR-SURG 5710 Physical Diagnosis For The Oral & Maxillofacial Surgeon Iv

A continuation of OR-SURG 5709.

1 hr

OR-SURG 5711 Physical Diagnosis For The Oral & Maxillofacial Surgeon V

A continuation of OR-SURG 5710.

1 hr

OR-SURG 5712 Physical Diagnosis For The Oral & Maxillofacial Surgeon Vi

A continuation of OR-SURG 5711.

1 hr

OR-SURG 5713 Advanced Physical Diagnosis For Oral & Maxillofacial Surgeon I

Advanced physical diagnosis and review of systems as it relates to the practice of Oral and Maxillofacial Surgery.

1 hr

OR-SURG 5714 Advanced Physical Diagnosis For Oral & Maxillofacial Surgeon II

A continuation of OR-SURG 5713.

1 hr

OR-SURG 5715 Advanced Physical Diagnosis For Oral & Maxillofacial Surgeon III

A continuation of OR-SURG 5714.

1 hr

OR-SURG 5716 Special Problems In Oral And Maxillofacial Surgery I

1 hr

OR-SURG 5717 Special Problems In Oral And Maxillofacial Surgery II

1 hr

OR-SURG 5718 Special Problems In Oral And Maxillofacial Surgery III

1 hr

OR-SURG 5719 Special Problems - Oral & Maxillofacial Surgery Iv

A continuation of ORSG 5718.

1 hr

OR-SURG 5720 Oral Surgery Hospital Residency I

Two calendar years of hospital residency in an affiliated teaching hospital. The residency provides additional training in major oral surgery and didactic education in oral surgery and science areas, including anesthesiology, diagnosis, pathology, and radiology.

1 hr

OR-SURG 5721 Oral Surgery Hospital Residency II

A continuation of OR-SURG. 5720.

1 hr

OR-SURG 5722 Oral Surgery Hospital Residency III

A continuation of OR-SURG. 5721.

1 hr

OR-SURG 5723 Oral Surgery Hospital Residency Iv

A continuation OR-SURG. 5722.

1 hr

OR-SURG 5724 Oral Surgery Hospital Residency V

A continuation of OR-SURG. 723.

1 hr

OR-SURG 5725 Oral Surgery Hospital Residency Vi

A continuation of OR-SURG. 5724.

1 hr

OR-SURG 5726 Tumor Surgery Of The Head And Neck

A discussion of tumors of the head and neck and the surgical treatment of these diseases.

2 hrs

OR-SURG 5727 Major Oral Surgery I

A comprehensive study of major oral surgery. Lectures are correlated with surgical exercises which are performed in the anatomy laboratory.

2 hrs

OR-SURG 5728 Major Oral Surgery II

A continuation of OR-SURG. 5727.

2 hrs

OR-SURG 5729 General Anesthesiology And Pharmacology I

The pharmacological principles of the various anesthetic agents and allied medications.

1 hr

OR-SURG 5730 General Anesthesiology And Pharmacology II

A continuation of OR-SURG. 5729.

1 hr

OR-SURG 5731 Clinical General Anesthesiology And Pharmacology I

The clinical application of various anesthetic and pharmacological agents.

2 hrs

OR-SURG 5732 Clinical General Anesthesiology And Pharmacology II

A continuation of OR-SURG. 5731.

2 hrs

OR-SURG 5733 Clinical General Anesthesiology And Pharmacology III

A continuation of OR-SURG. 5732.

2 hrs

OR-SURG 5734 Clinical/Major General Anesthesiology And Pharmacology I

The clinical/major surgical application of various anesthetic and pharmacological agents.

1 hr

OR-SURG 5735 Clinical/Major General Anesthesiology And Pharmacology II

A continuation of OR-SURG 5734.

1 hr

OR-SURG 5736 Clinical/Major General Anesthesiology And Pharmacology III

A continuation of OR-SURG 5735.

1 hr

OR-SURG 5737 Pediatric General Anesthesiology And Pharmacology I

The pharmacological principles of various anesthetic agents and allied medications in the pediatric patient.

1 hr

OR-SURG 5740 Oral & Maxillofacial Surgery Independent Study

An advanced study and/or elective course in Oral and Maxillofacial Surgery related field(s) which enhances the compulsory curriculum.

1-6 hrs

OR-SURG 5752 Seminar In Oral Surgery I

A discussion of current literature and research relating to oral surgery.

1 hr

OR-SURG 5753 Seminar In Oral Surgery II

A continuation of OR-SURG. 5752.

1 hr

OR-SURG 5754 Seminar In Oral Surgery III

1 hr

OR-SURG 5755 Seminar In Oral Surgery Iv

A continuation of OR-SURG 5754.

1 hr

ORTHODONTICS

ORTHOD 5704 Orthodontics And Dentofacial Orthopedics I

Orthodontic theory, treatment techniques and treatment of patients; includes current and historical concepts.

1-6 hrs

ORTHOD 5705 Orthodontic And Dentofacial Orthopedics II

A continuation of ORTHOD 5704.

1-6 hrs

ORTHOD 5706 Orthodontics And Dentofacial Orthopedics III

A continuation of ORTHOD 5705.

1-6 hrs

ORTHOD 5707 Orthodontics And Dentofacial Orthopedics Iv

A continuation of ORTHOD 5706.

1-6 hrs

ORTHOD 5708 Orthodontic And Dentofacial Orthopedics V

A continuation of ORTHOD 5707.

1-6 hrs

ORTHOD 5709 Orthodontic And Dentofacial Orthopedics Vi

A continuation of ORTHOD 5708

1-6 hrs

ORTHOD 5710 Orthodontic And Dentofacial Orthopedics Vii

A continuation of ORTHOD 5709.

1-6 hrs

ORTHOD 5711 Orthodontics And Dentofacial Orthopedics Viii

A continuation of ORTHOD 5710.

1-6 hrs

ORTHOD 5726 Cephalometric I

An introductory lecture and laboratory course in the principles of radiographic cephalometry and integrated cephalometric analysis.

2 hrs

ORTHOD 5727 Cephalometric II

An advanced lecture and laboratory course with emphasis on the use of a computer in cephalometric analysis.

2 hrs

Pediatric Dentistry

PEDS 5700 Principles Of Pediatric Dentistry I

Lecture and discussion of the principles of children's dentistry. The subject matter consists of the prevention of disease, child cooperation, diagnosis and treatment planning, treatment and post-treatment procedures.

1-3 hrs

PEDS 5701 Principles Of Pediatric Dentistry II

A continuation of PEDS 700.

1 hr

PEDS 5720 Pediatric Dentistry Hospital Residency I

(1). The clinical activities of the program are conducted at Children's Mercy Hospital. Students spend 24 months (6 semesters) as residents in the Department of Pediatric Dentistry. Patient care is provided both in the outpatient clinic and to hospital inpatients. Rotations in anesthesia, pediatrics, and the emergency room are included in the residency. Residents participate on several multidisciplinary teams at the hospital including the Cleft Palate Team, Crainiofacial Anomalies Team, Hemophilia Team, Cancer Care Team, Sickle Cell Anemia Team, and the Newborn Intensive Care Follow-up Clinic.

1 hr

PEDS 5721 Pediatric Dentistry Hospital Residency II

A continuation of PEDS 720.

1 hr

PEDS 5722 Pediatric Dentistry Hospital Residency III

A continuation of PEDS 721.

1 hr

PEDS 5728 Cleft Palate Problems-Team Approach

(1). Presentations by the members of the Cleft Palate Team at Children's Mercy Hospital. The role of genetics, speech, audiology, ENT, oral surgery, plastic surgery, orthodontics, pediatric dentistry, prosthodontics, social services, nutrition, and child psychology in the rehabilitation of the cleft palate patient will be discussed.

1 hr

Pedodontics

PEDO 5899 Required Graduate Enrollment

1 hr

Periodontics

PERIO 5700 Periodontic Residency I

Didactics, Seminars in Basic Periodontics with Clinical Practice.

1-2 hrs

PERIO 5701 Periodontic Residency Vii

Didactic and Seminar in Periodontics with Clinical Practice.

1-6 hrs

PERIO 5702 Periodontic Residency II

Clinical Periodontics with related didactic and seminar.

1-6 hrs

PERIO 5705 PERIODONTAL RESIDENCY III

Clinical Periodontics with Related Didactics and Seminars.

1-6 hrs

PERIO 5706 PERIODONTICS RESIDENCY III

A continuation of PERIO. 5705.

1-6 hrs

PERIO 5707 PERIODONTIC RESIDENCY IV

Clinical Periodontics with Related Didactics and Seminar.

1-6 hrs

PERIO 5708 PERIODONTIC RESIDENCY V

Clinical Periodontics with Related Didactics and Seminar.

1-6 hrs

PERIO 5709 PERIODONTIC RESIDENCY VI

Clinical Periodontics with Related Didactics and Seminar.

1-6 hrs

PERIO 5716 PERIODONTIC RESIDENCY IX

Didactic in Surgical Periodontics with Clinical Practice.

1 hr

PERIO 5717 SPECIAL PROBLEMS IN PERIODONTICS II

A continuation of PERIO 5716.

1 hr

PERIO 5718 SPECIAL PROBLEMS IN PERIODONTICS III

A continuation of PERIO 5717.

1 hr

PERIO 5719 IMPLANTOLOGY

This 2 credit hour seminar is designed for a student in the Advanced Education Program in Periodontology to develop in-depth knowledge of the concepts and theories of implant dentistry as they relate to periodontist.It will provide basic and advanced information and guidance which will serve to complement course work in PERIO 5702 through PERIO 5709,and the clinical implant dentistry experience offered in the program,at a minimum to a level of competency.

2 hrs

PERIO 5720 GENERAL ANESTHESIA

A rotation to the Department of Anesthesiology of K.C. Veterans Administration Medical Center. Students become familiar with operating room procedures, medical emergencies, venipuncture, airway maintenance and pharmaco-physiology of sedative, analgesic and anesthetic agents as well as drug interactions.

1 hr

PERIO 5727 INTRODUCTION TO INTERNAL MEDICINE AND DIAGNOSIS I

A seminar on internal medicine, physical diagnosis, laboratory medicine, dermatology and allergy. This course is designed to give the resident a broad knowledge of the above.

1 hr

PERIO 5728 INTRODUCTION TO INTERNAL MEDICINE AND DIAGNOSIS II

A continuation of PERIO. 5727.

1 hr

PERIO 5729 CHILDREN'S PERIODONTICS

Children's periodontal disorders, etiology, diagnosis, and treatment. Emphasis is placed on preventive periodontics and on education of parents and children in oral physiotherapy.

2 hrs

PERIO 5730 BIOLOGY OF THE PERIODONTIUM

Biology of the Periodontium covers the embryology, histology, ultrastructure and biochemistry of stratified squamous epithelium, fibrous connective tissue, bone and cementum. These four tissues are studied in health and during inflammatory disease and healing of surgical wounds. Major emphasis is placed on immune system interactions with bone and fibrous connective tissue components during inflammatory periodontal disease.

1-2 hrs

PERIO 5751 SEMINAR IN PERIODONTICS I

A discussion of the classic and pertinent periodontal literature.

2 hrs

PERIO 5752 SEMINAR IN PERIODONTICS II

A continuation of PERIO 5751.

2 hrs

PERIO 5753 SEMINAR IN PERIODONTICS III

A continuation of PERIO 5752.

2 hrs

PERIO 5754 SEMINAR IN PERIODONTICS IV

A continuation of PERIO 5753.

2 hrs

PERIO 5755 SEMINAR IN CURRENT PERIODONTAL LITERATURE/TREATMENT PLANNING V

A discussion of the current research and literature relating to periodontics and the utilization of current knowledge to patient treatment planning.

2 hrs

PERIO 5756 SEMINAR IN CURRENT PERIODONTAL LITERATURE/TREATMENT PLANNING VI

A continuation of PERIO 5755.

2 hrs

PERIO 5757 SEMINAR CURRENT PERIODONTAL LITERATURE & TREATMENT PLANNING VII

A continuation of PERIO 5756.

2 hrs

PERIO 5758 SEMINAR CURRENT PERIODONTAL LITERATURE & TREATMENT PLANNING VIII

A continuation of PERIO 5757.

2 hrs

PERIO 5799 RESEARCH AND THESIS

1-6 hrs

PERIO 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

RESEARCH METHODOLOGY - DENTISTRY (RESME)

RES-ME 5700 INTRODUCTION TO RESEARCH METHODOLOGY

This lecture/discussion course will facilitate student's understanding of terminology and key concepts of research methodology and design. Assigned exercises are designed to demonstrate application of research design principles, and to increase advanced education students' competency in evaluating and planning scientific studies. This knowledge is indispensable for conducting meaningful research in advanced education certificate, masters of doctoral level programs.

2-3 hrs

RES-ME 5701 TOPICS IN ADVANCED RESEARCH METHODOLOGY

A lecture/seminar course on selected advanced research methodology topics which are to be determined in conjunction with participants. Such topics may include advanced experimental designs in the literature, etc. Prerequisite: Permission of instructor.

2-4 hrs

RES-ME 5702 **SPECIAL PROBLEMS IN RESEARCH METHODOLOGY**

A student will work with a faculty member on methodological aspects of a research proposal or project. Prerequisite: Permission of instructor.

2-4 hrs

RES-ME 5703 **THESIS WRITING**

The methods of preparing, organizing, and presenting research findings according to the format of scientific writing.

1 hr

RES-ME 5704 **INTRODUCTION TO BIOSTATISTICS**

A lecture/seminar course required for students pursuing a master's degree. This course focuses on an in-depth coverage of statistical designs commonly found in dental research, statistical techniques associated with these designs,application to them via the use of a computer based statistical software analysis package, and the interpretation of statistical tests. Prerequisite(s): RES-ME 5700.

2-3 hrs

RES-ME 5705 A **DESIGN OF CLINICAL RESEARCH STUDIES**

Students enrolled in this course will learn the elements of a good clinical research study. Additionally, students will develop a draft protocol for a clinical research project, estimate time and budget needs for the project, and be sensitive to ethical issues in the conduct of clinical research.

2 hrs

RES-ME 5705 B **STATISTICAL ANALYSIS FOR CLINICAL RESEARCH**

Techniques for analyzing complex clinical research designs are a major focus of this course. Students will also learn analytic techniques for estimating failure in biomaterials as well as epidemiologic techniques.

2 hrs

RES-ME 5705 C **INTRODUCTION TO STATISTICAL SOFTWARE**

Students enrolled in this course obtain hands-on experience with comprehensive statistical analysis programs, including SPSS and SAS. Students will learn to establish and verify data files, generate program files, and develop strategies for documenting files for improved accountability and reproducibility.

2 hrs

BIOLOGICAL SCIENCES - DENTISTRY

BIO-SCI 5700 **BIOMATERIALS TEACHING**

Through this course, students will acquire teaching experience in graduate and undergraduate biomaterials.

2 hrs

BIO-SCI 5701 **ENGINEERING PRINCIPLES OF DENTAL MATERIALS**

The application of engineering principles to a description and understanding of the structure and properties of dental materials. Identification of engineering principles which are appropriate in the examination of the function of dental materials. Basic information, as well as current materials research will be discussed.

2 hrs

BIO-SCI 5704 **TEMPOROMANDIBULAR DISORDERS: EVALUATION AND MANAGEMENT**

Lecture and seminar course on the temporomandibular disorders, evaluation and management in light of behavioral, biological and environmental factors.

2 hrs

BIO-SCI 5706 **GROWTH AND DEVELOPMENT I**

A course designed to teach the general principles of normal and abnormal physical, psychological and social growth and development of children and adolescents. The growth and development of the craniofacial structures is emphasized. The diagnosis of malocclusions is stressed. Consideration is given to possible approaches to their treatment.

1 hr

BIO-SCI 5707 **GROWTH AND DEVELOPMENT II**

A comprehensive study of the genetical aspects of growth and development with special analysis of the molecular control of these processes by both intrinsic and epigenetic factors. Prerequisite: Growth and Development I.

1-2 hrs

BIO-SCI 5710 **MOLECULAR GENETICS AND BIOCHEMISTRY OF CRANIAL FACIAL BIOLOGY**

Biochemistry of oral structures and the effect of oral diseases on these structures. This course may not be used to satisfy Cell Biology and Biophysics or Molecular Biology and Biochemistry discipline-specific requirements for the Interdisciplinary Ph.D. programs.

2 hrs

BIO-SCI 5711 **BIOCHEMICAL ENDOCRINOLOGY**

An advanced study of the chemistry, metabolism, and mechanisms of hormone actions on molecular processes. Each hormone will be studied with respect to its site of origin, chemical properties, metabolism, disease entities, and mechanism of action on molecular processes. Prerequisite: BISC 5710. This course may not be used to satisfy Cell Biology and Biophysics or Molecular Biology and Biochemistry discipline-specific requirements for the Interdisciplinary Ph.D. program. Prerequisite(s): LS-BIOC 5710.

2 hrs

BIO-SCI 5730 ORAL MICROBIOLOGY

The course will focus on rapidly developing areas of oral microbiology especially the etiology, prevention and treatment of oral disease. Topics will be selected by the instructor to reflect recent advances in research and to provide a critical examination of the current literature. Two hours lecture per week. This course may not be used to satisfy Cell Biology and Biophysics or Molecular Biology and Biochemistry disciplinespecific requirements for the Interdisciplinary Ph.D. program.

2 hrs

BIO-SCI 5735 ADVANCED IMMUNOLOGY

This seminar course will focus on rapidly developing areas of modern immunology relevant to the health professions. Topics will be selected by the instructor to reflect recent advances in immunology and provide a critical examination of the current literature. Two hours lecture per week. This course may not be used to satisfy Cell Biology and Biophysics or Molecular Biology and Biochemistry discipline-specific requirements for the Interdisciplinary Ph.D. program.

2 hrs

BIO-SCI 5739 DENTAL BIOMATERIALS FOR THE DENTAL SPECIALIST

Discussion of basic biomaterials principles and terminology including explanation of physical, mechanical and surface chemical properties, metallurgy, polymer chemistry, ceramics and composites. Clinical examples of how these principles apply to Prosthodontics, Pedodontics and Orthodontics will be presented. Students cannot take both this course and BIO-SCI 5742 for credit.

1 hr

BIO-SCI 5740 ORAL PATHOLOGY I

A study of the clinical and histopathologic features of oral diseases, including inflammatory, degenerative, metabolic, and neoplastic diseases and developmental disturbances.

2 hrs

BIO-SCI 5741 ORAL PATHOLOGY II

A continuation of BIO-SCI 5740.

2 hrs

BIO-SCI 5742 DENTAL BIOMATERIALS FOR THE RESTORATIVE AND GENERAL DENTIST

A thorough discussion of basic biomaterials principles and how they apply to the practice of general and restorative dentistry. Students cannot take both this course and BIO-SCI 5739 for credit.

2 hrs

BIO-SCI 5743 ADVANCED SEMINAR IN DENTAL BIOMATERIALS

The use and behavior of dental biomaterials in Pediatric Dentistry, Prosthodontics, Orthodontics, and Restorative Dentistry will be discussed in depth. Current basic and clinical literature related to these areas will be discussed and research information to improve dental practice will be presented. Prerequisite: BIO-SCI 5739 or BIO-SCI 5742 and permission of instructor.

1-2 hrs

BIO-SCI 5747 RESEARCH INSTRUMENTATION USED IN DENTAL BIOMATERIALS

A discussion and laboratory use of instrumentation employed in dental biomaterials research. Practical hands-on experience will include calibration and use of specific research equipment including the Instron, metallurgical mounting and polishing equipment, measuring microscope, metallograph, and contact angle gonemeter. Prerequisite: Permission of instructor.

2-4 hrs

BIO-SCI 5749 SPECIAL PROBLEMS IN ORAL PATHOLOGY

The student will review surgical cases and literature pertinent to those cases under the guidance of faculty members of the department.

1-2 hrs

BIO-SCI 5750 SPECIAL PROBLEMS IN DENTAL BIOMATERIALS

The student will select or be assigned a special research problem including appropriate literature reviews of a special topic in dental biomaterials. Emphasis will be placed on the correlation between basic and clinical research. The design and conduct of clinical research will be discussed. Prerequisite: Permission of instructor.

2-4 hrs

BIO-SCI 5751 ELEMENTS OF THE SCIENTIFIC METHOD

Elements Of The Scientific Method-001 (MS Students)Through individualized instruction with thesis committee chair, student will conduct a literature review in preparation for developing a research question leading to the thesis research proposal.Elements Of The Scientific Method-002 (Ph.D. Students) Students will select and rotate through a minimum of four laboratories in the Department of Oral Biology conducting a short research project in each. At the end of the semester, a report is required reviewing the research project and the instrumentation in each laboratory. Students are also required to attend the weekly department of Oral Biology Seminar Series and the monthly Professional biological, engineering and psychological disciplines relevant to oral science education and the oral health care profession. Presentations will be by faculty, students, and invited guest lectures.

1 hr

BIO-SCI 5752 RESEARCH METHODS IN ORAL BIOLOGY

BIO-SCI 5751-001 Research Methods In Oral Biology- MS students- Student will write the thesis research proposal in consultation with committee chair and members plus obtain appropriate IRB and/or IACUC approvals. For the MS degree qualifying exam, the student will write the research proposal, present the research proposal at a committee meeting, and answer related questions. Following the successful completion of the qualifying exam, the research proposal is the basis of the MS thesis project.BIO-SCI 5751-002 Research Methods In Oral Biology- I.Ph.D students- As the student identifies a research focus for the dissertation project, they will begin reviewing the literature and relevant instrumentation in conjunction with a selected advisor.

1-5 hrs

BIO-SCI 5759 SPECIAL PROBLEMS IN PHARMACOLOGY

Pharmacologic and therapeutic problems of special interest in the practice of dentistry.

2 hrs

BIO-SCI 5760 PHYSIOLOGY OF ORAL HARD TISSUES

A study of the physiology of the oral hard tissues with emphasis on the mechanisms of the growth, remodeling, and healing of maxillomandibular bones and on the mechanism of dentinogenesis. This course may not be used to satisfy Cell Biology and Biophysics or Molecular Biology and Biochemistry discipline-specific requirements for the Interdisciplinary Ph.D. program.

2 hrs

BIO-SCI 5780 TEACHING OF DENTISTRY

A consideration of the problems of teaching in dental schools. Each department of the School of Dentistry will report on its teaching methods. The student will observe lectures and laboratory teaching in each department.

1-2 hrs

BIO-SCI 5781 CLINICAL STUDENT TEACHING I

This course is designed to give the student teaching experience in conducting and supervising predoctoral students in their clinical practice. Diagnosis and treatment planning in each specialty field will be emphasized.

1-2 hrs

BIO-SCI 5782 CLINICAL STUDENT TEACHING II

A continuation of BIO-SCI 5781.

1-2 hrs

BIO-SCI 5790 DIRECTED RESEARCH IN ORAL BIOLOGY

Student utilizes beginning research skills to design, conduct and report an individual research project under the direction of the faculty.

1-6 hrs

BIO-SCI 5799 RESEARCH AND THESIS

The satisfactory completion of an original research project. Results of the research and critical review of the pertinent literature are incorporated into a thesis. Credit is awarded after the student's thesis is successfully defended and accepted by the School of Graduate Studies.

1-9 hrs

BIO-SCI 5801 READINGS IN IMMUNOLOGY

A detailed study of special topics in immunology. Specific topics to be arranged with the instructor. This course may be repeated by doctoral students for a maximum of 3 credit hours. Prerequisite: LIFE-SCI 435.

1-3 hrs

BIO-SCI 5802 IMMUNOPATHOLOGY

A detailed study of selected topics in immunopathology with emphasis on physicochemical barriers such as cutaneous and mucosal immune systems. Prerequisite: LIFE-SCI 435.

2 hrs

BIO-SCI 5805 MOLECULAR BIOLOGY OF ORAL MICROFLORA

Lecture and discussion. The course will provide an overview of the ecology of oral microbial flora and its role in oral health and disease. Students will examine the taxonomy and ecology of normal and pathogenic oral microbial flora, acquisition of the oral microbiota and the formation of dental plaque as a biofilm. The course will also explore other aspects of microbial biology, such as; bacterial virulence factors and pathogenesis; host defense mechanisms; systemic complications of periodontal disease; antibiotics and antibiotic resistance.The second part of the course will review the effect of recent advances in molecular biology and protein biochemistry on oral diagnosis and treatment.

2-3 hrs

BIO-SCI 5830 STRUCTURAL CHARACTERIZATION OF DENTAL BIOMATERIALS

A detailed study of the techniques commonly used to determine the composition and structure of dental biomaterials. Surface and near-surface characterization techniques will be emphasized. The student will be expected to complete laboratory projects on the scanning and transmission electron microscopies available in the School of Dentistry. Two hours lecture and two to six hours laboratory per week. Prerequisite: BIO-SCI 5701.

3 hrs

BIO-SCI 5899 REQUIRED GRADUATE ENROLLMENT

1 hr

School of Education

SCHOOL OF EDUCATION COURSES COUNSELING PSYCHOLOGY AND COUNSELOR EDUCATION (CPCE)

CPCE 5500 INTRODUCTION TO PROFESSIONAL COUNSELING

Introduction to counseling and counseling psychology as professions practiced in a variety of settings. Basic concepts of mental health, client problems, history of the profession, ethics and standards, counseling in a multicultural and pluralistic society and credentialing. Includes use of professional journals and library investigation. May be taken prior to admission. For Mental Health and Couples and Families emphases only.

3 hrs

CPCE 5502 FNDTNS OF ELEMENTARY & SECONDARY SCHOOL COUNSELING & GUIDANCE

The course will present an overview of theory and practice in the field of school counseling and will examine the roles and functions of guidance counselors. May be taken prior to admission. For School Counseling Emphasis only.

3 hrs

CPCE 5503 PSYCHOPATHOLOGY: DIAGNOSES AND CLASSIFICATION

This course is designed to provide students with an opportunity to study psychopathological patterns, mental disorders, and other reactions in client behavior, which are encountered by therapists, counselors, and psychologists in contemporary psychological service systems. The major focus of the course will be on learning current diagnostic criteria and making differential diagnoses. Attention will also be given to the etiology, development, dynamics, and treatment of psychopathology. In addition, the influence of culture on behavior and treatment will also be discussed. Prereq/Coreq: CPCE 5500

3 hrs

CPCE 5504 SCHOOL GUIDANCE PROGRAMS

CPCE 5504 will provide knowledge and skills in the development and management of school guidance programs, including program planning, implementing and evaluation.

3 hrs

CPCE 5505 CAREER DEVELOPMENT I

Theories of career development and vocational choice and their implications in counseling. Emphasizes knowledge of occupational and career information sources and use of these data by counselors and counseling psychologists. Open to any student who has been admitted to an advanced degree program.

3 hrs

CPCE 5515 ASSESSMENT METHODS IN PROFESSIONAL COUNSELING

This course provides an understanding of assessment process and assessment techniques. Students will develop skills in selection, administration, and interpretation of representative assessment instruments. Prerequisites: Crosslisted: PSYCH 5510

3 hrs

CPCE 5520 THEORIES OF COUNSELING

Theoretical positions in counseling; significance of these theories in professional practice. To be taken prior to or concurrent with CPCE 5530 (Methods of Counseling), both of which must be taken prior to Counseling Practicum I, CPCE 5531. Co/Prerequisite: CPCE 5500.

3 hrs

CPCE 5521 SPECIAL COUNSELING METHODS - SUBSTANCE ABUSE

Theories and methods of counseling as applied to clients with substance abuse problems. Includes assessment, treatment strategies, and evaluation. Skills practice in implementing methods.

3 hrs

CPCE 5527 THEORY AND METHODS OF SEXUAL COUNSELING

The focus is on sexual development and the acquisition of therapeutic skills to work with problems relating to human sexual functioning and sexual dysfunctions. Co/Prerequisite: CPCE 5520.

3 hrs

CPCE 5530 METHODS OF COUNSELING

This course is designed to introduce students to the fundamental concepts and methods of counseling. Students will apply ethical and multicultural principles to the helping relationship while learning the basic methods of humanistic, psychodymamic, and cognitive behavioral approaches as they relate to the helping process. A main focus of this course is the acquisition of basic helping skills. Students will also become familiar with counseling outcome research and will increase their level of counselor self-awareness. Prerequisite: PSYCH 5622 or Co/pre-requisite: CPCE 5520 Offered: Fall, Winter, Summer

3 hrs

CPCE 5531 COUNSELING PRACTICUM I

Closely supervised therapeutic counseling with individuals; translation of theory into practice; clinical and professional techniques and issues. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Counseling Psychology and Counselor Education Practicum Coordinator required. Co/Prerequisites: CPCE 5553

3 hrs

CPCE 5532 COUNSELING PRACTICUM II

Supervised therapeutic counseling with individuals and consultation in professional settings. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Counseling Psychology and Counselor Education Practicum Coorindator required. Prerequisites: CPCE 5531

3 hrs

CPCE 5533 COUPLES AND FAMILY THERAPY PRACTICUM

Supervised application of theories and methods of family therapy with individuals, couples and families. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Division of Counseling Psychology and Counselor Education required. Prerequisite: CPCE 5532 and CPCE 5542. Co-requisite: CPCE 5541

3-6 hrs

CPCE 5534 PRACTICUM FOR THE ASSESSMENT OF CHILDREN AND ADOLESCENTS

The practicum for assessment of children and adolescents covers the facilitation of psychological evaluations for this population and includes maintaining a caseload of assessment evaluations to complete through the CCS Assessment Center. Specialized assessment evaluations and conceptualization issues are covered in the second half of the course, with evaluations for ADHD and learning disorders emphasized. Special topics will be discussed at the end of the course. Prerequisite: CPCE 5515

3 hrs

CPCE 5539 CONTINUING COUNSELING PRACTICUM

Supervised therapeutic counseling with individuals. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Counseling Psychology and Counselor Education Practicum Coordator required. Prerequisites: CPCE 5532.

1-6 hrs

CPCE 5540 THEORIES AND METHODS IN GROUP COUNSELING

Theories and research in group counseling as related to the work of the counselor and counseling psychologist; establishing and maintaining a counseling group; qualifications of the group leader; goals for group counseling; therapeutic and anti-therapeutic forces in groups; special techniques. Three semester hours of lecture and one semester hour of laboratory experience. The two hours per week in laboratory experience is to practice group techniques. Prerequisite: CPCE 5531.

3 hrs

CPCE 5541 COUPLES AND FAMILY THERAPY

Introduction to and overview of couples and family therapy. Discussion of major theoretical positions, demonstrations of therapy strategies, role playing and case study examples.

3 hrs

CPCE 5542 THEORIES AND TECHNIQUES OF FAMILY SYSTEMS THERAPY

A study of major family systems theories and their applied practices in family therapy. Students will develop skills in family assessment techniques and family therapy processes.

3 hrs

CPCE 5550 ORGANIZATION AND ADMINISTRATION OF COUNSELING PROGRAMS

Organization, administration, and planning of counseling programs with emphasis on their practical aspect; counseling practice in schools and agencies; intraprofessional relationships; legal and ethical considerations. Course to be taken near completion of the master's program.

3 hrs

CPCE 5551 COUNSELING IN A PLURALISTIC SOCIETY

Addresses the needs of diverse populations served by counselors and addresses developing intervention methods of working with these populations. Focuses on advocacy and change agent roles of counselors. Prerequisite: CPCE 5520.

3 hrs

CPCE 5553 ETHICS AND PROFESSIONAL ISSUES IN COUNSELING

CPCE 553, Ethics and Professional Issues in Counseling, is designed to examine the major ethical and professional issues within the counseling profession. More specific, ethical dilemmas and professional issues revelant to the practice of mental health, marriage and family, school and substance abuse counseling are the major foci of this course. In addition, instruction is designed to enhance student understanding of the ethical standards such that students can effectively apply the critical thinking necessary to practice ethical behavior with clients, professional colleagues, consultees, and the communities in which they work.

3 hrs

CPCE 5575 INTERNSHIP IN COUNSELING

Applied experiences in a planned, supervised program. Seminar accompanies internship experiences. The following areas of specialization are available: a) Marriage and Family, b) Mental Health, C) School, and d) Substance Abuse. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Division of Counseling Psychology and Counselor Education required. Prerequisite: CPCE 5532 and consent of adviser.

3-16 hrs

CPCE 5575 C INTERNSHIP IN COUNSELING

This is a 2-semester applied experience in a planned, supervised program. For each semester, students spend 17.5 hours per week at an off-site agency or school participating in a variety of activities (e.g., individual and group counseling, administration) and attend a 3-hour weekly intern class. Students are expected to select internship sites to match their areas of emphasis (Marriage and Family, Mental Health, School Counseling, and Substance Abuse). Preregistration by application at least 60 days prior to beginning of semester. Approval by the Counseling Psychology and Counselor Education Internship Coordinator required. Prerequisites: CPCE 5532 and consent of adviser

3-16 hrs

CPCE 5589 SPECIAL TOPICS

A course designed to deal with a topic which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed in the semester bulletin.

1-6 hrs

CPCE 5589 CA SPECIAL TOPICS

1-6 hrs

CPCE 5589 NP SPECIAL TOPICS

1-6 hrs

CPCE 5589 PT SPECIAL TOPICS

1-6 hrs

CPCE 5589 SG SPECIAL TOPICS

1-6 hrs

CPCE 5589 TL SPECIAL TOPICS

1-6 hrs

CPCE 5590 SEMINAR

Discussion and evaluation of literature in Counseling Psychology and Counselor Education.

3 hrs

CPCE 5590 CF SEMINAR

This is a final seminar for students in the couples and family emphasis area. It is an advanced study of couples and family counseling and related research with a focus on current issues and problems in the profession. Prerequisite: CPCE 5541

3 hrs

CPCE 5590 MH SEMINAR: SEMINAR IN MENTAL HEALTH COUNSELING

This final seminar is designed to familiarize students with current topics of interest in the mental health field, while preparing them to provide mental health services to a variety of clients. This course should be taken toward the end of student's program of study. Prerequisits: CPCE 520 w/grade B or better.

3 hrs

CPCE 5598 INDIVIDUAL STUDIES

Review of the research and trends relative to selected problems. By prior arrangement with instructor.

1-6 hrs

CPCE 5599 RESEARCH AND THESIS

By arrangement.

1-9 hrs

CPCE 5600 Introduction To Counseling Psychology

Introduction to the science and practice of professional counseling psychology. Orientation to University of Missouri-Kansas City and the Counseling Psychology Program

1 hr

CPCE 5605 Career Development II

Major theories and research in vocational psychology and career development and implications for the work of the counseling psychologist and counselor. Prerequisite: CPCE 5505.

3 hrs

CPCE 5609 Assessment II: Intellectual And Cognitive Assessment

This course is designed to provide students with a foundation in the use of intellectual and cognitive assessment instruments in clinical evaluation. The course covers theoretical issues pertinent to intellectual and cognitive assessment as well as basic assessment skills including administration, scoring, interpretation, and communication of results for commonly used measures. Cross-listed with PSYCH 5509. Prerequistes: Admission to the Ph.D Program in Counseling Psychology

3 hrs

CPCE 5610 Theoretical And Professional Issues In Counseling Psychology

This course is designed to introduce first year doctoral students to the fundamental concepts and methods of psychology conceived as the application of scientific and ethical reasoning to human problems. It will provide an in-depth examination of the American Psychological Association code of ethics and its application to the conduct of psychologists. Critical and analytical thinking will be emphasized in all aspects of the course. The course will cover broad models of clinical and counseling psychology and their historical and scientific foundations, issues in diagnosis, cross-cultural applications and professional problems in light of ethical principles, professional standards, scientific data & multi-cultural contexts. Prerequisite: consent of the instructor. Offered: Fall

3 hrs

CPCE 5615 Survey Of Research In Counseling Psychology

Survey of significant research in counseling psychology. Critical evaluation of research procedures, instrumentation, and clinical application of results. Prerequisites: EDRP 5605 and EDRP 5608.

3 hrs

CPCE 5620 Advanced Theories And Methods Of Counseling

Personality and learning theories and their implications for professional practice in counseling psychology. Emphasis on critical evaluation of assumptions, methods, comprehensiveness and usefulness of the theories, with reference to related research. Prerequisite: CPCE 5532

3 hrs

CPCE 5631 Advanced Counseling Practicum

Advanced supervised therapeutic counseling with individuals and supervised consultation in clinical settings. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Division of Counseling Psychology and Counselor Education required. Prerequisite: Completion of CPCE 5532 and CPCE 5620 with grades of B or better.

3 hrs

CPCE 5632 Practicum In Group Counseling

Leading groups under supervision. Focus on problems and experiences of counselors and counseling psychologists when leading groups. Prerequisites: Completion of M.A. in Counseling; CPCE 5540. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Division of Counseling Psychology and Counselor Education required.

3 hrs

CPCE 5633 Advanced Couples & Family Practicum

Advanced supervised application of theories and methods of family therapy with individuals, couples and families. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Division of Counseling Psychology and Counselor Education required. Prerequisite: CPCE 5542.

3 hrs

CPCE 5634 Practicum For The Assessment Of Children And Adolescents

The practicum for assessment of children and adolescents covers the facilitation of psychological evaluations for this population and includes maintaining a caseload of assessment evaluations to complete through the CCS Assessment Center. Specialized assessment evaluations and conceptualization issues are covered in the second half of the course, with evaluations for ADHD and learning disorders emphasized. Special topics will be discussed at the end of the course. Prerequisite: CPCE 5515

3 hrs

CPCE 5639 Continuing Advanced Counseling Practicum

Supervised therapeutic counseling with individuals, beyond the advanced level. Preregistration by application at least 60 days prior to beginning of semester. Approval by the Division of Counseling Psychology and Counselor Education required. Prerequisite: CPCE 5631

1-6 hrs

CPCE 5640 Theories And Methods Of Counseling Supervision

This course offers an overview of counseling supervision theories and models, exposure to recent research and information about the supervision process, supervisore tasks and roles as well as ethical responsibilities. Admission to the doctoral or education specialist programs in the Division of Counseling, Educational Psychology and Exercise Science is required. Prerequisite: CPCE 5631

2 hrs

CPCE 5641 SUPERVISION PRACTICUM

This course is designed to provide students with an opportunity to practice supervision. Students will be assigned 2 to 3 counselors-in-training from a CPCE 5531/5532 practicum class to supervise over the course of a semester. The practicum instructor will provide weekly supervision. Offered: Every Fall Prerequisite: CPCE 5640

1 hr

CPCE 5645 PROJECTIVE TESTING

Course focuses on the diagnostic use of projective assessment techniques, with a special focus on the Rorschach Inkblot Test. Prerequisites: Enrolled in Doctoral Psych. Program, Completed CPCE 5515 and Measurement of Intelligence or Cognitive Assessment course.

3 hrs

CPCE 5650 SEMINAR IN CURRENT ISSUES IN COUNSELING PSYCHOLOGY

Professional issues related to counseling psychology and counseling programs. Special emphasis on ethical and legal issues and other professional concerns of counseling psychologists and counselors.

3 hrs

CPCE 5675 INTERNSHIP IN COUNSELING PSYCHOLOGY

Applied experiences in a professional setting under supervision of licensed psychologists.

1-16 hrs

CPCE 5690 SPECIAL PROBLEMS

Individual studies; thesis exploration; special reading.

1-6 hrs

CPCE 5699 RESEARCH AND DISSERTATION

By arrangement.

1-16 hrs

CURRICULUM AND INSTRUCTION (EDCI)

EDUC-C&I 5504 SOCIAL STUDIES IN THE ELEMENTARY AND MIDDLE SCHOOL

Trends and new curricular developments in elementary and middle school social studies. Focus on integration of social science concepts, the development of critical thinking skills, and analysis of values.

3 hrs

EDUC-C&I 5505 INTRODUCTION TO CURRICULUM THEORY

An introduction to curriculum theory with the recognition that knowledge, power, ideology and schooling are connected to patterns of complexity and contradictions. Emphasis will be placed on curricula that cultivate theoretical discourses about the quality and purpose of schooling and human life.

3 hrs

EDUC-C&I 5506 CURRICULUM DESIGN

This course is designed to enhance educators' skills in the areas of curriculum design and interpretation. Students will apply and adapt strategies for curriculum development as well as for interpreting and adapting existing curricula.

3 hrs

EDUC-C&I 5508 CURRICULUM AND METHODS FOR TEACHING THE NON-MOTIVATED LEARNER

Analysis of materials relevant to reluctant learners; student-teacher prepared consumable materials; current research; methods for presenting material.

3 hrs

EDUC-C&I 5509 REDUCING RISK FACTORS FOR STUDENTS IN EDUCATIONAL & COMMUNITY STN

The course offers an overview of current research and of special programs that deal with students who are likely to fail at school or in life. The roles of the larger society in helping create such problems will be considered. There will be an emphasis on early identification of such students and a consideration and evaluation of a number of programs designed to help them. The course will also present descriptions of the roles that educators can implement in programs designed for prevention and intervention.

3 hrs

EDUC-C&I 5511 DEVELOPING MULTIDISCIPLINARY PROBLEM SOLVING SKILLS

Development of heuristic strategies in problem analysis, information processing, modeling and logical thinking. Study of methods and materials for teaching problem solving strategies, with applications from several school curriculum areas and instructional settings. Use of microcomputers to develop skills.

3 hrs

EDUC-C&I 5512 STRATEGIES FOR EFFECTIVE CLASSROOM MANAGEMENT

The course presents several current approaches to classroom management and how they might be applied to the classroom. The approaches are evaluated in terms of psychological theory and research. Direct experiences with discipline problems are offered through simulation and role-playing.

3 hrs

EDUC-C&I 5513 EFFECTIVE COMMUNICATION IN THE CLASSROOM

This course will emphasize the relationship between communication and classroom climate, and the influence of communication on motivation and student behavior. Communication with large groups, small groups, and individuals is studied and practiced.

3 hrs

EDUC-C&I 5515 INTEGRATED ARTS AS A MODEL FOR CLASSROOM INSTRUCTION

This course provides background on theory, research and practice in arts education. Students will learn to integrate the arts across the curriculum and explore the value of the arts as conveyors of information, powerful tools of communication and bridges to the broader culture. This course will also give the students the opportunity to create, study and experience in the arts as a model for classroom instruction. Offered: Winter 2000

3 hrs

EDUC-C&I 5517 TEACHING METHODS AND PRACTICES

This course is designed to present and evaluate basic instructional methods and techniques and to determine the ways in which instruction is affected by the social and cultural context of the school. Offered: Every Fall

3 hrs

EDUC-C&I 5520 ENGLISH CURRICULUM IN THE MIDDLE AND HIGH SCHOOL

Advanced study of contemporary programs and procedures in specialized sectors of the secondary school curriculum. Examination of program objectives, teaching methods, and instructional materials in English. Prerequisites: A valid, regular teaching certificate; undergraduate special methods or equivalent; teaching experience or consent of the instructor.

3 hrs

EDUC-C&I 5522 LANGUAGE ARTS CURRICULUM IN THE ELEMENTARY AND MIDDLE SCHOOL

Consideration of language concepts as they relate to the teaching of the Language Arts in Grades K through 8. Significant research and its application to current trends in teaching the language arts will be explored. Prerequisite: an undergraduate course in Language Arts or reading or consent of the instructor.

3 hrs

EDUC-C&I 5523 ADVANCED LITERATURE FOR CHILDREN

History of children's books. Less well-known works of high quality from countries other than Europe, bilingual, and recent translations of books. Prerequisite: TECH-ED 201 or equivalent.

3 hrs

EDUC-C&I 5531 DIAGNOSIS AND REMEDIATION OF MATHEMATICS LEARNING PROBLEMS

This course addresses the problems of children, youth and adults in basic education, in learning mathematics, whether in the regular classroom or in special environments. Attention is given to the skill of identification of mathematical conceptual levels and to specific difficulties impeding normal progress. There is a focus on methods and materials of remediation in basic skills and concept development. Relevant research literature is examined.

3 hrs

EDUC-C&I 5536 SPECIALIZED SECONDARY SCHOOL CURRICULUM MATHEMATICS

Advanced study of contemporary programs and procedures in specialized sectors of the secondary school curriculum. Examinations of program objectives, teaching methods and instructional materials in Mathematics. Prerequisites: A valid, regular teaching certificate; undergradtuate (Special Methods) or equivalent; teaching experience or consent of the instructor.

3 hrs

EDUC-C&I 5539 MATHEMATICS CURRICULUM DEVELOPMENT

Application of principles of curriculum development to the mathematics content and instructions. Development of a rationale for objectives and content selection and for evaluation. Study and evaluation of current programs, trends and experiments.

3 hrs

EDUC-C&I 5540 EVALUATION OF COMPUTER SOFTWARE

The goals of the course are to provide students with a systematic evaluation process which analyzes the hardware resources and application needs of various user groups. This course provides the student with both an academic understanding of evaluation and requirement analysis for educational user groups. The course includes a practicum activity for application projects.

3 hrs

EDUC-C&I 5541 TEACHING MATHEMATICS WITH COMPUTER

The use of a variety of technologies and the appropriate software in teaching secondary mathematics will be investigated and the resulting impact on curriculum will be covered. Prerequisite: Mathematics teaching certificate or the equivalent of an undergraduate degree in mathematics.

3 hrs

EDUC-C&I 5544 THEORY AND RESEARCH IN SECOND LANGUAGE TEACHING AND LEARNING

This course covers both second language learning theories and second language research and design. It will also contain a survey of both qualitative and quantitative research literature.

3 hrs

EDUC-C&I 5545 LINGUISTICS FOR ESOL TEACHERS

This course is an introduction to linguistic theories focusing on topics that are particularly relevant to ESOL teachers in culturally and linguistically divers settings. It also covers applying these theories to practice in ESOL classrooms. The contents include basic practical knowledge in phonetics, phonology, morphology,syntax,pragmatics and semantics.

3 hrs

EDUC-C&I 5546 INTERCULTURAL COMMUNICATION

This course serves as an introduction to the background of English language learners (ELL) from many countries of the world. It also serves to facilitate ESOL students' success in ELL and mainstream classrooms. The course will introduce culture in general at first and then focus on how to better understand the ELL students' cultures. Class participants will learn to develop lessons that enhance intercultural communication and understanding among all students.

3 hrs

EDUC-C&I 5547 SECOND LANGUAGE ACQUISITION

The course focuses on the foundations of second language learning and teaching. Major theoretical approaches to second language acquisition and second language learning will be discussed. The course is also one of the requirements for an endorsement to teach in English as a second language classroom.

3 hrs

EDUC-C&I 5548 ENGLISH AS A SECOND LANGUAGE IN CONTENT AREAS

Theoretical perspectives of teaching, learning and researching literacy development. The focus of this course will be on content based English as a second language instruction. The course is one of the requirements for an endorsement to teach in an English as a second language classroom.

3 hrs

EDUC-C&I 5549 PRACTICUM IN ENGLISH AS A SECOND LANGUAGE

A four-week practicum for teachers and researchers in the field of second language learning and teaching. Students will have the opportunity to develop their own teaching plan of action according to the curriculum guidelines of the program in which they participate. Students will develop portfolio and reflection piece about their own learning in the practicum.

3 hrs

EDUC-C&I 5551 SCIENCE CURRICULUM IN THE MIDDLE AND HIGH SCHOOL

Advanced study of contemporary programs and procedures in specialized sectors of the secondary school curriculum. Examination of program objectives, teaching methods and instructional materials in Natural Sciences. Prerequisites: A valid, regular teaching certificate; undergraduate special methods or equivalent; teaching experience or consent of the instructor.

3 hrs

EDUC-C&I 5553 CURRICULUM AND INSTRUCTION IN SCIENCE

Advanced study of contemporary programs and practices in science education at all instructional levels. Examination of program objectives and teaching methods and development of instructional materials for classroom use. Prerequisites: A science teaching methods course and teaching experience, or consent of instructor.

3 hrs

EDUC-C&I 5554 ASSESSMENT IN SCIENCE EDUCATION

Advanced study of science education assessment with option for elementary or secondary emphasis.

3 hrs

EDUC-C&I 5560 TEACHING AND LEARNING IN THE URBAN CLASSROOM

Emphasis will be placed on examining beliefs, assumptions, values and their influence on the processes of teaching, perception of the urban learner, understanding the characteristics of the urban learner, and processes for transforming pedagogical practices, including fostering collaboration between home and school. Offered: Winter 2001

3 hrs

EDUC-C&I 5561 TEACHING DIVERSE POPULATIONS IN TODAY'S CLASSROOMS

This course focuses on culturally responsive pedagogies for meeting the academic needs and learning styles of culturally diverse students. Emphasis will be placed on critical investigation of the role of socio-cultural dynamics on learning and teaching, and design of curriculum, materials, and pedagogical and disciplinary practices that affirm student's culture. The ultimate goal of the course is to examine ways in which a culture-based curricular perspective provides powerful scaffolding for enabling and empowering educational experiences for diverse students.

3 hrs

EDUC-C&I 5562 TEACHING FOR EQUITY AND SOCIAL JUSTICE

This course examines a systems approach to the design, development, assessment, and implementation of school practices that support equity and social justice for all students. It investigates issues of educational inequities and educational empowerment. Practitioners will develop the knowledge, skills and dispositions needed for empowering self and students. Emphasis will be placed on social action learning, empowerment and agency. Prerequisites: EDUC-UL 5525,EDUC-UL 5526,EDUC-UL 5526, or EDUC-UL 5528 and EDUC-CI 5560 or EDUC-CI 5561 or EDUC-CI 5562 and Instructor approval. Offered: Summer

3 hrs

EDUC-C&I 5563 MULTICULTURAL PERSPECTIVES IN EDUCATION

This course provides an opportunity for students to engage in a critical and in-depth study of multicultural education. Students will examine current theoretical, conceptual, ideological, and political positions that help frame the multicultural education debate. The ultimate goal of the course is to help students develop critical and multiple perspectives about education in a democratic society with the aim of transforming curricular and pedagogical practice. Prerequisites: EDUC-UL 5525,EDUC-UL 5526,EDUC-UL 5527or EDUC-UL 5528 and EDUC-CI 5560 or EDUC-CI 5561 and instructor approval.

3 hrs

EDUC-C&I 5565 SOCIAL STUDIES CURRICULUM ELEMENTARY EDUCATION

Trends and new curricular developments in elementary school social studies. Focus on integration of social science concepts, the development of critical thinking skills, and analysis of values.

3 hrs

EDUC-C&I 5566 SOCIAL STUDIES CURRICULUM IN THE MIDDLE AND HIGH SCHOOL

Advanced study of contemporary programs and procedures in specialized sectors of the secondary school curriculum. Examinations of program objectives, teaching methods, and instructional materials in Social Studies. Prerequisites: A valid, regular teaching certificate; undergraduate special methods or equivalent; teaching experience or consent of the instructor.

3 hrs

EDUC-C&I 5570 CURRICULUM AND INSTRUCTION IN TECHNOLOGY

Study of contemporary programs and practices of technology usage in education at all instructional levels. Examination and application of technologically enhanced teaching methods, assessment, and curriculum development for classroom use. Prerequisites: teaching methods or consent of instructor. Offered: On demand

3 hrs

EDUC-C&I 5571 COGNITION & TECHNOLOGY

The purpose of this course is to respond to current research in the field of cognition and educational technology and design an evaluative research response to a local technology program. The educators will define their concepts concerning implementation of new technologies into learning environments and the mediational effects on the types and quality of learning that results from that process.

3 hrs

EDUC-C&I 5572 ASSESSING THE ROLE OF TECHNOLOGY IN EDUCATION

The purpose of the course is to develop an understanding of changing role of technology in education by reviewing current and historical articles on the topic. This includes a historical analysis of trends and expectations within educational settings and outside educational settings and defining the educator's understandings of the role of technology in educational settings, past, present and future. Prerequisites: None

3 hrs

EDUC-C&I 5573 DEVELOPMENT LEARNING TECH PROGS:TRADITIONAL & NON-TRAD SETTINGS

The purpose of this course is to develop understandings of currently implemented educational technologies including both software and hardware configurations. The educators will review current use of a variety of current technologies integrated into traditional settings and non-traditional settings and evaluate their effectiveness in developing standards-based learning outcomes and constructivist-based learning outcomes.

3 hrs

EDUC-C&I 5575 INTERNSHIP - EARLY CHILDHOOD

Applied experiences in a planned, supervised curriculum program. Seminar accompanies internship experiences. Prerequisite: Consent of advisor.

3-16 hrs

EDUC-C&I 5576 ADMINISTRATION OF EARLY CHILDHOOD PROGRAMS

This course is designed to examine the administrative functions and decisions involved in effectively directing an Early Childhood Program. Students may plan their own Early Childhood Program incorporating philosophical values and beliefs.

3 hrs

EDUC-C&I 5578 PLAY IN EARLY CHILDHOOD EDUCATION

The purpose of this course is to study the various play theories and developmental levels of play. Students plan play activities and participate in Early Childhood programs.

3 hrs

EDUC-C&I 5579 History, Theories, And Issues In Early Childhood Education

This course is designed to explore the historical and theoretical principles in early childhood education. Current issues in the field will be examined and discussed.

3 hrs

EDUC-C&I 5580 Curriculum In Early Childhood Education

The content of this course will include an exploration of appropriate curriculum and instruction of early childhood classrooms. Students will recognize, understand and analyze the differences and similarities between early childhood curriculum and instruction methods and elementary education instruction.

3 hrs

EDUC-C&I 5581 Infant-Toddler Programs: Research Theory And Practice

This course is designed to investigate the research relevant to infant and toddler programs, learn about the appropriate curriculum and teaching methods, and visit infant and toddler programs.

3 hrs

EDUC-C&I 5582 Program Models In Early Childhood Education

This course is designed to explore and analyze program models in early childhood education in terms of their theoretical and/or philosophical bases and their transformation into practice. During this process, students are encouraged to evaluate their own personal views and values concerning teaching/learning issues in early childhood education.

3 hrs

EDUC-C&I 5583 Supervision In Early Childhood Education

The purpose of this course is to study the process of effective supervision of staff in the diverse contexts of early childhood education. This course is designed to prepare students to supervise teachers, staff, paraeducators, or volunteers in early childhood education programs. Students will explore theories of adult development, the supervision process, professional development, and the evaluation process.

3 hrs

EDUC-C&I 5584 Early Childhood Culminating Project

This seminar is designed for graduate students to explore current issues and topics pertaining to the field of early childhood education. An in-depth investigation of ways to work with community agencies will be included.

1-6 hrs

EDUC-C&I 5585 Teaching and Learning with Techonolgy

This is an introductory course that covers the fundamental of standard educational computer applications in addition to providing the basic concepts regarding classroom hardware and software integration. This course familiarizes students with the National Educational Technology Standards For Teachers and Students. Because of the computer's increasing importance in all phases of education, hands-on experiences are required throughout the course.

3 hrs

EDUC-C&I 5589 Special Topics In Education

A course designed to deal with a curriculum topic which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-C&I 5589 AM Special Topics In Education

1-6 hrs

EDUC-C&I 5589 CD Special Topics In Education

1-6 hrs

EDUC-C&I 5589 HR Special Topics In Education

1-6 hrs

EDUC-C&I 5589 SC Special Methods Science

5 hrs

EDUC-C&I 5589 SE Special Methods English

5 hrs

EDUC-C&I 5589 SM Special Methods Math

5 hrs

EDUC-C&I 5589 SS **SPECIAL METHODS SOCIAL STUDIES**

5 hrs

EDUC-C&I 5589 TM **SPECIAL TOPICS IN EDUCATION**

A course designed to deal with a curriculum topic which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-C&I 5590 **SEMINAR**

Discussion and evaluation of literature in curriculum. Prerequisite: EDUC-CI 5505 or consent of instructor.

3 hrs

EDUC-C&I 5591 **CURRICULUM & INSTRUCTION FOR THE 21ST CENTURY**

A seminar including critical examination of current issues affecting schools such as education for democracy and global interdependence in a diversified society, curriculum and instruction in a technological, post-industrial society; the changing demographics of the U.S. and the implications for curriculum and instruction; and the roles of teachers and administrators in the school of the future. Students will be actively involved in "research-in-action" study of both theory and practice.

3 hrs

EDUC-C&I 5595 **ACTION RESEARCH FOR PRACTITIONERS**

This course is designed to enable practitioners to engage in systematic inquiry on some aspect of their practice in order to find out more about that practice and eventually improve it. Participants in the course are expected to put their assumptions, ideas and practices to the test by gathering, analyzing and drawing conclusions from evidence.

3 hrs

EDUC-C&I 5596 **CLASSROOM ASSESSMENT**

This course is designed to help practitioners develop an understanding of the various roles of classroom assessment, strengthen their own assessment strategies & be able to better use data in the development of curriculum that is appropriate for all learners. Students will develop a more clear understanding of the relationship of curriculum, instruction & assessment & ways in which good assessments can help diverse learners.

3 hrs

EDUC-C&I 5598 **INDIVIDUAL STUDIES**

Review of the research and trends relative to curriculum in education. By prior arrangement with instructor.

1-6 hrs

EDUC-C&I 5618 **SURVEY OF RESEARCH IN CURRICULUM**

Review and analysis of research in curriculum theory and methods.

3 hrs

EDUC-C&I 5619 **CURRICULUM EVALUATION**

This course focuses on current practices in systemic curriculum review at the grade,school, district of state level in order to better serve the needs of diverse learners. Emphasis will be placed on the processes of curriculum review, curriculum change, implementation, evaluation of changes, and on-going long-range curriculum planning and review. Prerequisites: EDUC-RP 5508 EDUC-CI 5504 or EDUC-CI 5505.

3 hrs

EDUC-C&I 5620 **SEMINARS IN THEORIES RELATED TO CURRICULUM**

Study of major historical developments in curriculum and their influence on contemporary models and practices. Prerequisite: EDUC-CI 5504 or EDUC-CI 5505.

3 hrs

EDUC-C&I 5640 **APPRENTICESHIP AND CONFERENCE IN COLLEGE TRAINING**

Apprenticeship experience in preparing, conducting, and evaluating college teaching under the direction of and in conference with supervising professors. Some attention to student personnel and administration in higher education. By arrangement.

2-5 hrs

EDUC-C&I 5690 **SPECIAL PROBLEMS**

Individual studies: thesis exploration, special reading.

1-6 hrs

EDUC-C&I 5697 **DISSERTATION CURRICULUM AND INSTRUCTION**

By arrangement.

1-16 hrs

EDUCATION (EDUC)

EDUC 5501 TEACHING OF READING

Basic theory and practice in reading instruction, with attention to individual needs. Prerequisite: EDUC 333 or equivalent to TECH-ED 415.

3 hrs

EDUC 5534 READING ASSESSMENT AND EVALUATION

Study of procedures and instruments for characterizing and evaluating reading and related educational factors and skills. Students will administer and interpret ability tests customarily used in diagnosing reading problems. Prerequisite: EDUC 5501 or equivalent.

3 hrs

EDUC 5541 TEACH READING IMPROVE AT SECONDARY-COLLEGE-ADULT LEVEL

Classroom and laboratory techniques of reading instruction; study skills; reading in content subjects; and evaluation of reading improvement programs.

3 hrs

EDUC 5542 INTRODUCTION DIAGNOSTIC-TREATMENT PROCEDURES IN READING

Identification and classification of reading disability; role of the Special Reading Teacher; factors related to reading disability; special techniques used in remedial reading instruction; analysis of reading performance.

3 hrs

EDUC 5552 ADVANCED DIAGNOSTIC AND TREATMENT PROCEDURES IN READING

Significant aspects of reading disability; diagnostic testing; case report writing; interpretation of test data; implications of test data for recommendations. Prerequisites: EDUC 5542 and permission of instructor. May be taken concurrently with EDUC 5575R.

3 hrs

EDUC 5575 R INTERNSHIP IN READING

3-16 hrs

EDUC 5589 AQ SPECIAL TOPICS IN EDUCATION

1-6 hrs

EDUC 5589 B SPECIAL TOPICS IN EDUCATION

1-6 hrs

EDUC 5589 Q SPECIAL TOPICS IN EDUCATION

1-6 hrs

EDUC 5590 R SEMINAR IN READING

3 hrs

EDUC 5598 INDIVIDUAL STUDIES

Review of the research trends relative to selected problems in education. By prior arrangement with instructor.

1-6 hrs

EDUC 5598 A INDIVIDUAL STUDIES IN ADMINISTRATION

1-6 hrs

EDUC 5598 B INDIVIDUAL STUDIES IN MATHEMATICS

1-6 hrs

EDUC 5598 C INDIVIDUAL STUDIES CURRICULUM

1-6 hrs

EDUC 5598 H **Individual Studies Higher Education**

1-6 hrs

EDUC 5598 J **Individual Studies Philosophy Of Education**

1-6 hrs

EDUC 5598 P **Individual Studies Educational Psychology**

1-6 hrs

EDUC 5598 Q **Individual Studies Early Childhood Education**

1-6 hrs

EDUC 5598 R **Individual Studies Education Reading**

1-6 hrs

EDUC 5598 S **Individual Studies Research**

1-6 hrs

EDUC 5598 SA **Individual Studies Research**

1-6 hrs

EDUC 5598 U **Individual Studies History Of Education**

1-6 hrs

EDUC 5598 X **Individual Studies Sociological Foundations**

1-6 hrs

EDUC 5599 **Research And Thesis**

By arrangement.

1-9 hrs

EDUC 5601 **Organizing And Guiding The Reading Program**

An investigation of several procedures for organizing developmental and special reading programs with emphasis on effects of such plans on the role of the reading specialist and the impact on the school environs. Prerequisites: EDUC 5542 and EDUC 5527.

3 hrs

EDUC 5621 **Practicum In Curriculum And Instruction**

A field experience which provides an opportunity for the application of current research in the area of curriculum and instruction to an educational setting. Prerequisite: Consent of adviser.

3-6 hrs

EDUC 5640 **Apprenticeship And Conference In College Training**

Apprenticeship experience in preparing, conducting, and evaluating college teaching under the direction of and in conference with supervising professors. Some attention to student personnel and administration in higher education. By arrangement.

2-5 hrs

EDUC 5650 **Seminar In Dyslexia And Related Learning Disabilities**

A systematic study of the likely etiology and treatment of dyslexia and related learning disabilities. Topics include: hereditary, sensory-motor, perceptual-motor, and psychological and neurophysiological problems. Prerequisite: EDUC 5542, EDUC 5552, EDUC 5575 or consent of instructor.

3 hrs

EDUC 5690 **Special Problems**

Individual studies; thesis exploration, special reading.

1-6 hrs

EDUC 5695 Doctoral Dissertation: Reading Education

By arrangement.

1-16 hrs

EDUC 5696 Dissertation Administration And Community Leadership

By arrangement.

1-16 hrs

EDUC 5697 Dissertation Curriculum And Instruction

By arrangement.

1-16 hrs

EDUC 5698 Dissertation General Education

By arrangement.

1-16 hrs

EDUC 5899 Required Graduate Enrollment

1 hr

Physical Education (PE) Special Education (EDSP) Teacher Education (TE) Research and Psychology (EDRP)

EDUC-R&P 5502 Advanced Educational Psychology

Critical examination of the contributions of psychological principles and findings to the field of education.

3 hrs

EDUC-R&P 5505 Statistical Methods I

Non-theoretical approach to statistical procedure, including introduction to simple analysis of variance.

3 hrs

EDUC-R&P 5508 Principles And Methods Of Research

Introduction to the analysis of research literature including types of research, methodology, design and data analysis.

3 hrs

EDUC-R&P 5510 Child Behavior And Development

Growth, maturation, and learning processes in children. Offered: Every semester.

3 hrs

EDUC-R&P 5512 Adolescent Development And The School

An overview of adolescent development from preadolescence to adulthood, focusing on major theories and aspects of adolescent development, critical issues of adolescence today, and the role of professional educators in facilitating positive development.

3 hrs

EDUC-R&P 5513 Life Span Human Development

This course introduces students to the theories and research of biological, cognitive, social and personality development across the lifespan, within the layers of context of people's lives. Special attention is given to the role in development of social class, gender, ethnicity and culture. Offered: Every Winter

3 hrs

EDUC-R&P 5522 Principles Of Testing

Measurement theory, uses and limitation of assessment procedure.

3 hrs

EDUC-R&P 5575 Internship

Applied experiences in a planned, supervised program in research or educational psychology. Prerequisite: Consent of advisor.

3-16 hrs

EDUC-R&P 5576 EDUCATIONAL TECHNOLOGY

History of responsive technology in education, principles of learning and strategies in programming instructional materials, methods of evaluation, and current research methodologies in educational technology.

3 hrs

EDUC-R&P 5589 SPECIAL TOPICS IN EDUCATION

A course designed to deal with a topic in educational research or educational psychology which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-R&P 5589 CP SPECIAL TOPICS IN EDUCATION

1-6 hrs

EDUC-R&P 5589 DB SPECIAL TOPICS IN EDUCATION

A course designed to deal with a topic in educational research or educational psychology which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-R&P 5589 PR SPECIAL TOPICS IN EDUCATION

1-6 hrs

EDUC-R&P 5589 SE SPECIAL TOPICS IN EDUCATION

1-6 hrs

EDUC-R&P 5590 INDIVIDUAL STUDIES

Review of the research and trends relative to selected problems in educational research or psychology: By prior arrangement with instructor.

1-6 hrs

EDUC-R&P 5604 COGNITIVE PROCESSES IN LEARNING AND INSTRUCTION

Examination of current research and theory in cognitive aspects of learning, thinking, comprehension and classroom processes, especially as they relate to classroom settings. Designed to present background essential for an understanding of much contemporary inquiry in many fields of educational thought and practice. Prerequisites: EDUC 5502 or EDUC 5510 or EDUC 5512.

3 hrs

EDUC-R&P 5605 QUANTITATIVE ANALYSIS I: REGRESSION AND ANALYSIS OF VARIANCE

This graduate level statistics course for students in education and the behovioral sciences provides a strong conceptual understanding of two major statistical procedures within the context of the general linear model: multiple regression and numerous analysis of variance (ANOVA) models. Students will learn to select appropriate statistical techniques, test the assumptions of the techniques, analyze data using statistical software, and report the results of their analyses in the format of the American Psychological Association (APA,2002). Prerequisites: An introductory inferential statistics course EDUC-RP 5505, PSYCH 316) and basic knowledge of research design (EDUC-RP 5505, PSYCH 302). Cross-listed: PSYCH 5516 Offered: Fall.

3 hrs

EDUC-R&P 5606 QUANTITATIVE ANALYSIS II : MULTIVARIATE DATA ANALYSIS

This graduate level statistics course for students in the behavioral science and education provides a strong conceptual understanding of advanced topics in regression (interaction effects, logistic regression, path analysis) and various multvariate techniques (MANOVA, canonical correlation, factor analysis). Students will complete a series of data based projects that allow them to demonstrate their skills in analysis, reporting, and interpretation of findings. Prerequisites: EDRP 5605/PSY5516 and basic knowledge of and SPSS OR SAS software and research design (EDUC-RP 5505, PSYCH 302). Cross-listed: PSYCH 5517 Offered: Winter.

3 hrs

EDUC-R&P 5608 INTRODUCTION TO GRADUATE RESEARCH

This course is an introduction to quantitative and qualitative research methods. Students in the course develop a research proposal on an approved topic of their choice.

3 hrs

EDUC-R&P 5610 RESEARCH DESIGN & METHODOLOGY

An introduction of methodology and design in the behavioral and health sciences. The course will cover: (a) the key terms and concepts of design and methodology, (b) how to apply those concepts to the construction and criticism of designs., and (c) ethnical issues for conducting human and animal research. Crosslisted with PSYCH 5601. Prerequisite: EDUC-RP 5605

3 hrs

EDUC-R&P 5615 QUALITATIVE RESEARCH THEORY & DESIGN EDUCATIONAL SETTING. PART 1

Students will be introduced to qualitative research theory and design. Prerequisite: EDUC-RP 5505 and EDUC-RP 5508

3 hrs

EDUC-R&P 5616 QUAL DATA COLLECTION AND ANALYSIS IN EDUCATIONAL SETTINGS. PART 2

Students will gain experience in qualitative data collection and analysis. Prerequisite: EDUC-RP 5615

3 hrs

EDUC-R&P 5625 PROGRAM EVALUATION FOR EDUCATION & SOCIAL

Program evaluation is an applied research area that focuses on providing summative and formative data about the progress of an organization or program. This doctoral seminar will focus on learning to identify the goals, objectives and assumptions inherent in a program, and on designing a methodology to assess progress towards the goals. All students will develop a comprehensive evaluation plan for a program of their choice. Prerequisites: EDUC-RP 5505, EDUC-RP 5522, and EDUC-RP 5508 or EDUC-RP 5608.

3 hrs

EDUC-R&P 5639 EDUCATIONAL PSYCHOLOGY: FOCUS ON COLLEGE TEACHING

An introduction to theories and principles from educational psychology as they relate to learning, motivation, assessment, and instruction. Prerequisite: Doctoral Student Status

2-3 hrs

EDUC-R&P 5640 APPRENTICESHIP AND CONFERENCE IN COLLEGE TRAINING

Apprenticeship experience in preparing, conducting, and evaluating college teaching under the direction of and in conference with supervising professors. By arrangement. Pre-requisites: EDUC-RP 5639

1-3 hrs

EDUC-R&P 5690 SPECIAL PROBLEMS

Individual studies; thesis exploration, special reading.

1-6 hrs

EDUC-R&P 5698 DISSERTATION IN EDUCATIONAL RESEARCH & PSYCHOLOGY

By arrangement.

1-16 hrs

URBAN LEADERSHIP (EDUL)

EDUC-UL 5501 FOUNDATIONS OF SCHOOL LEADERSHIP & ORGANIZATION

Participants will study as cohort team members actively engaged in clinical/practical endeavors in schools, concepts and theories focused: 1) to understand and apply modern leadership and organization development theory in relation to school organizational cultures; 2) to understand both the development of productive school relationships and the theoretical concepts of the legal responsibilities of schools in the society; 3) to develop a plan for principal certification based upon participant needs and experiences; and 4) to build school cultures that are collaborative, participative, reflective, and self renewing.

6 hrs

EDUC-UL 5502 BUILDING ADMINISTRATION AND MANAGEMENT

Participants will study and apply theories and concepts as members of a Cohort Team doing clinical work in schools designed to study, learn, and practice the management and administrative responsibilities of building level leaders including principal roles, personnel issues, school business management, community relations, supervision of staff, and to know the legal responsibilities relating to teachers, student and public rights. Prerequisite: EDUC-UL 5501

6 hrs

EDUC-UL 5503 STUDENT, STAFF AND ORGANIZATION DEVELOPMENT

Participants will study as a member of a cohort team doing clinical work in school and developing the ability: 1) to gain knowledge of, and practice in developing "learning organizations"; 2) to assist teachers and other staff members of a school in structuring classrooms around the learning and development of all students; 3) to lead and develop urban schools that are culturally diverse where learner outcomes and performance are not related to race, class, or gender; and 4) to provide leadership related to developing school structures that are outcome oriented. Prerequisites: EDUC-UL 5501 and EDUC-UL 5502

6 hrs

EDUC-UL 5504 ELEMENTARY SCHOOL ADMINISTRATION

Contemporary knowledge, understanding, and competencies for elementary administration. Focus on leadership, communication, group processes, organization, fiscal, and political areas. In addition, basic roles and responsibilities of the school principalship are addressed.

3 hrs

EDUC-UL 5505 MIDDLE SCHOOL ADMINISTRATION

Middle school goals, effective middle school leadership, change models for staff development, relevant curricula, auxiliary and support systems.

3 hrs

EDUC-UL 5506 SECONDARY SCHOOL ADMINISTRATION

Organization and objectives of secondary education; curriculum trends; role analysis; principal-staff relations. Prerequisite: EDUC-UL 5501 or consent of advisor.

3 hrs

EDUC-UL 5507 SCHOOL SUPERVISION

Principles of supervision, factors influencing effectiveness of instruction, including the evaluation of teachers.

3 hrs

EDUC-UL 5508 SPECIAL EDUCATION ADMINISTRATION

Provides special educators, special education and regular education administrators with knowledge and experience in the areas of special education process, policy development, data collection and funding, legal issues and program organization. Special emphasis is given to dealing with common problems which arise in public school special education programs.

3 hrs

EDUC-UL 5510 PLANNING EDUCATIONAL FACILITIES

Analysis of educational specifications; cooperative planning processes; analysis of trends in school facilities; financial considerations and construction research. Visitation of selected facilities included.

3 hrs

EDUC-UL 5511 PUBLIC SCHOOL BUSINESS ADMINISTRATION

The business related aspects of administering a school district including budgeting and accounting, purchasing, transportation, insurance, and facilities management.

3 hrs

EDUC-UL 5512 SCHOOL FINANCE

Sources of revenue for public education; distribution of monies for education; budget construction; accounting procedures; and theories for financing education.

3 hrs

EDUC-UL 5513 SCHOOL PERSONNEL ADMINISTRATION

Study of processes, policies and theory concerned with the personnel function in educational administration. Emphasizes the importance of human resources in developing effective educational systems.

3 hrs

EDUC-UL 5514 PUBLIC RELATIONS IN EDUCATION

Analysis of various public views on education; mass communications and social change; public relations programs.

3 hrs

EDUC-UL 5515 GOVERNMENTAL AND LEGAL ASPECTS OF EDUCATION

Current and recent legislation affecting education; court cases related to education; emerging patterns of modern juris-prudence; administrators' responsibilities regarding legal decisions.

3 hrs

EDUC-UL 5516 GOVERNMENTAL AND LEGAL ASPECTS OF SPECIAL EDUCATION

An examination of current and recent legislation affecting special education; emerging patterns of modern jurisprudence; and special education teacher and administrator legal responsibilities.

3 hrs

EDUC-UL 5520 SCHOOL ADMINISTRATION IN A METROPOLITAN CONTEXT

Sociological and philosophical study of school administration in metropolitan areas. Major trends: experimental projects conducted in urban school systems; organizational patterns and communication networks.

3 hrs

EDUC-UL 5522 SCHOOL ORGANIZATIONAL CULTURE AS THE CONTEXT OF CHANGE

This course is designed to enable students to understand that schools as organizations develop cultures and that this culture establishes relationships and conditions in schools for students, teachers, and administrators. Students will develop an understanding of the culture of a school and its influence on efforts to achieve substantive change or reform.

3 hrs

EDUC-UL 5523 ADMINISTRATIVE ROLES FOR INSTRUCTIONAL LEADERSHIP

This course meets a requirement for administrator certification in Missouri and Kansas in the area of school improvement and leadership. The course focuses upon leadership roles necessary for creating a supportive climate for change and for implementing improved instructional programs.

3 hrs

EDUC-UL 5524 PHILOSOPHICAL INQUIRY AND EDUCATION

An examination of issues, problems and controversies discussed in educational and related literature, utilizing criteria and techniques of logical and philosophical analysis. The focus is on the development of critical thinking abilities as applied to theories, positions and arguments in educational and related contexts.

3 hrs

EDUC-UL 5525 CULTURAL FOUNDATIONS OF EDUCATION

Examines education and schooling as cultural phenomena. This course focuses on an analysis of education and schooling as both cultural transmission and cultural change and the practical implications. Also included is a philosophical/ theoretical examination of varying relationships between dominant and minority cultures.

3 hrs

EDUC-UL 5526 PHILOSOPHICAL FOUNDATIONS OF EDUCATION

Introduction to the study of philosophical problems implicit in educational issues. Focuses on the application of a number of philosophical concepts and skills to a variety of controversies, policies, and theories in education.

3 hrs

EDUC-UL 5527 HISTORICAL FOUNDATIONS OF EDUCATION

Study of the development of educational policy, practice, and theory in relation to changes in social institutions and thought. Focuses on the analysis of contemporary educational problems in the light of historical perspectives.

3 hrs

EDUC-UL 5528 SOCIOLOGICAL FOUNDATIONS OF EDUCATION

An analysis of issues involving the role of schools in society, the relationship between education and other social institutions, and contemporary social developments which have major implications.

3 hrs

EDUC-UL 5550 ORGANIZATION AND ADMINISTRATION OF HIGHER EDUCATION

Organizational patterns; administrative roles and procedures; establishment of policies, institutional development; and public and private financing of higher education.

3 hrs

EDUC-UL 5551 STUDENT AFFAIRS ADMINISTRATION IN HIGHER EDUCATION

Study of the objectives, organizational structure, and current issues of student affairs administration as they relate to the academic program, the campus environment, and the needs of students; analysis of the functions of different services.

3 hrs

EDUC-UL 5552 FINANCIAL ASPECTS OF HIGHER EDUCATION

This course is designed for graduate students with a basic understanding of the area of Higher Education Administration. The course examines basic concepts and principles of finance in higher education in the United States. Students are expected to: Develop an understanding of 1) the issues and fiscal problems of higher education, 2) the roles and responsibilities of financial officers in higher education, and 3) possible future trends in the financing of higher education.

3 hrs

EDUC-UL 5555 COMMUNITY COLLEGE

Investigation of the purposes, programs, and the problems in the American junior college movement; analysis of the structure, governance, and financial support of community colleges.

3 hrs

EDUC-UL 5556 THE COLLEGE STUDENT

An examination of today's college students. Review and study of demographics, relationships of students and colleges, nature of student communities, new student populations and the impact of college on students and their educational development.

3 hrs

EDUC-UL 5557 LEGAL ASPECTS OF HIGHER EDUCATION

Study of legal issues within higher education. Focus is on state and federal law and regulations as they pertain to issues ranging from academic freedom to governance and administration. Focus on strategies for preventive law is a major component of the course.

3 hrs

EDUC-UL 5558 ADVANCED STUDENT DEVELOPMENT THEORY

A focused and in-depth examination of developmental theories related to the college student. This course builds on information presented in EDUL 5556-The College Student. Offered: Winter Prerequisite: EDUC-UL 5556

3 hrs

EDUC-UL 5559 Current Issues In Higher Education

A course responsive to the contemporary issues in college and university administration, addressing interesting and important topics that fall outside the scope of other courses in higher education curriculum. Students will have an overview of the organization of American higher education and will explore source materials available for higher education research.

3 hrs

EDUC-UL 5560 Leadership In Higher Education

Focus on leadership, connections among different approaches to leadership, different forms of power, and different leadership behaviors. A series of opportunities to think systematically about leadership and to increase a student's personal leadership capacities in higher education will be provided.

3 hrs

EDUC-UL 5562 Gender & Leadership In Educ: Implications For Prof. Effectiveness

This course is for women and men who want to understand better the unique challenges and opportunities facing leaders in today's educational organizations. Exploration of connections between gender and leadership is the focus of study. Students will probe linkages between gender and leadership for their own leadership and for organizational policy and practice.

3 hrs

EDUC-UL 5564 History Of Higher Education

Study of the evolution of the constituencies within different types of American higher education institutions. The development of professional, practical, and graduate education will be examined as will 20th century alternatives to the liberal arts colleges and research university models.

3 hrs

EDUC-UL 5565 Metropolitan University

This course presents past, current and emerging trends from both practices and research in the Metropolitan University. A variety of issues and topics, which reflect changes, will be examined. This is a seminar course which will require a significant degree of student participation in a classroom discussion where each student is expected to come with questions, insights and/or perspectives which address issues and concerns presented.

3 hrs

EDUC-UL 5566 Racial And Ethnic Diversity, And Cultural Understanding

An exploration of the ideological and historical construction of education for social in/equality, and subsequent issues of race, ethnicity, and class that influence colleges and universities in the U.S. today.

3 hrs

EDUC-UL 5567 Higher Education Capstone

This course will provide a culminating experience for students in the Higher Education Masters program. All aspects of higher education administration will be examined and synthesized to enhance student ability to understand and operate in a complex setting. Prerequisites: Final semester of enrollment

3 hrs

EDUC-UL 5570 Administrative Practicum Higher Education

Assigned administrative responsibilities under supervision of practicing higher educational administrator, seminar and written project accompany field experiences. Prerequisite: Consent of advisor.

3-6 hrs

EDUC-UL 5571 Internship In Higher Education

Applied experiences in a planned, supervised program. Seminar accompanies internship experiences. Prerequisite: Consent of advisor.

3-16 hrs

EDUC-UL 5572 Higher Education Administration: The Profession

A course to introduce the prospective or new student affairs professional to all facets of higher educational administration. The course provides a balance of presentations by student affairs professionals, participation and observation in a variety of higher education offices and individual research projects. It is anticipated that students will visit several institutions of higher education and will participate in a service-learning project.

3 hrs

EDUC-UL 5574 Administrative Practicum

Assigned administrative responsibilities under supervision of practicing educational administrators seminar and written project accompany field experiences. Prerequisite: Consent of advisor.

3-6 hrs

EDUC-UL 5575 Internship In Administration

Applied experiences in a planned, supervised educational administration program. Seminar accompanies internship experiences. Prerequisite: Consent of advisor.

3-16 hrs

EDUC-UL 5589 SPECIAL TOPICS IN EDUCATIONAL LEADERSHIP

A course designed to deal with a topic which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-UL 5589 CP SPECIAL TOPICS IN EDUCATIONAL LEADERSHIP

1-6 hrs

EDUC-UL 5589 EA SPECIAL TOPICS IN EDUCATIONAL LEADERSHIP

A course designed to deal with a topic which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-UL 5589 ED SPECIAL TOPICS IN EDUCATIONAL LEADERSHIP

A course designed to deal with a topic which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-UL 5589 EL SPECIAL TOPICS IN EDUCATIONAL LEADERSHIP

A course designed to deal with a topic which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-UL 5589 ET SPECIAL TOPICS IN EDUCATIONAL LEADERSHIP

A course designed to deal with a topic which is not available in the regular course offerings. Topics, instructors, and prerequisites to be listed on the semester bulletin.

1-6 hrs

EDUC-UL 5589 SM SPECIAL TOPICS IN EDUCATIONAL LEADERSHIP

1-6 hrs

EDUC-UL 5590 SEMINAR

Discussion and evaluation of literature in Education Administration. Prerequisite: Consent of instructor.

3 hrs

EDUC-UL 5598 INDIVIDUAL STUDIES

Review of the research and trends relative to selected problems in education. By prior arrangement with instructor.

1-6 hrs

EDUC-UL 5601 RESEARCH IN EDUCATION ADMINISTRATION: QUALITATIVE THEORY & DESIGN

First of two courses in advanced qualitative research in higher education and educational administration. Focus is on the theory and design of qualitative work. Students will become familiar with the various ontological, epistemological, and methodological assumptions that guide research in the social sciences and be able to make informed choices about inquiry techniques for dissertation and future research.

3 hrs

EDUC-UL 5602 SEMINAR IN THE HISTORY OF AMERICAN URBAN EDUCATION

A study of the historical development of American urban educational institutions and ideas and of how that development is embedded within the broader context of social, political, and economic change in the united States.

3 hrs

EDUC-UL 5603 RESEARCH IN EDUCATION ADMINISTRATION: QUALITATIVE DATA & ANALYSIS

Second of two courses in advanced qualitative research in higher education and educational administration. Focus is on data collection and analysis in qualitative work. Students will become familiar with various data gathering techniques and devices for interpreting qualitative data and drawing meaningful conclusions. This information will guide students in dissertation and future research. Prerequisite: EDUC-UL 5601, or permission of instructors.

3 hrs

EDUC-UL 5616 ANALYSIS OF EDUCATIONAL THEORY FORMATION

Study and application of criteria for evaluating the adequacy of educational theories and evaluating the relevance to theories of research studies.

3 hrs

EDUC-UL 5626 THEORY IN EDUCATIONAL ADMINISTRATION

Leadership theories and research; bureaucracy and organizational processes; new directions in organizational analysis; sociological and psychological concepts in school administration. Prerequisites: EDUC-UL 501 or equivalent.

3 hrs

EDUC-UL 5627 ADVANCED EDUCATIONAL SUPERVISION

Principles and concepts of educational supervision and implementation. Prerequisite: EDUC-UL 5507 or equivalent.

3 hrs

EDUC-UL 5628 THE SUPERINTENDENCY

Analysis and overview of the nature, functions and activities of the public school superintendency including: historical and philosophical foundations; board-staff and other governing body relationships and functions; professional staff relations and management; public relations and communication; inter-governmental relations and responsibilities, and the functions of planning, direction and supervision of the instructional enterprise. Prerequisite: Consent of instructor.

3 hrs

EDUC-UL 5635 TOPICS IN HIGHER EDUCATION

Organization of higher education, public and private financing; accreditation; academic freedom; policy development; community relations; curricular patterns, selected current issues. Prerequisite: EDUC-UL 5550 or equivalent.

3 hrs

EDUC-UL 5640 APPRENTICESHIP AND CONFERENCE IN COLLEGE TRAINING

Apprenticeship experience in preparing, conducting, and evaluating college teaching under the direction of and in conference with supervising professors. Some attention to student personnel and administration in higher education. By arrangement.

2-5 hrs

EDUC-UL 5655 STUDIES IN PHILOSOPHY OF EDUCATION

Study of special topics in the philosophy of education. Prerequisite: EDUC 5523, EDUC-UL 5526 or permission of instructor.

3 hrs

EDUC-UL 5660 EFFECTIVE PRACTICES II

This course builds on the general understanding of leadership and professional practices developed in Leadership in Education Effective Practices I. The course addresses key leadership challenges and decision making in today's complex work world. The course uses reading on selected issues, case discussions, and role plays to move beyond theory and understanding to application and effectiveness.

3 hrs

EDUC-UL 5685 PROBLEMS AND ISSUES IN EDUCATION & URBAN LEADERSHIP

This course serves as the capstone class for all doctoral students in education. The course requires analysis of successful dissertations in urban education and prepares students to write their own dissertation relative to urban study and education.

3 hrs

EDUC-UL 5690 SPECIAL PROBLEMS

Individual studies; thesis exploration, special reading.

1-6 hrs

EDUC-UL 5690 A SPECIAL PROBLEMS

Individual studies; thesis exploration, special reading.

1-6 hrs

EDUC-UL 5696 DISSERTATION ADMINISTRATION AND COMMUNITY LEADERSHIP

Culminating written research project for doctoral students in Urban Leadership and Policy Studies. Consent of advisor.

1-16 hrs

School of Graduate Studies

SCHOOL OF GRADUATE STUDIES SCHOOL OF GRADUATE STUDIES COURSES

SGS 5501 DISABILITY AND COMMUNITY SUPPORT

SGS 501 Disability & Community Support is an academic service-learning course that will integrate 15 classroom contact hours with 60 service hours within a framework of Disability Studies. Offered: On Demand Prerequisites: LAW 815S or PSYCH 541 /SOC-WK 580B

3 hrs

SGS 5550 A **Responsible Conduct of Research: An Introductory Overview**

The aim of this course is to introduce its participants to the concept of the responsible conduct of research, its core elements, the emerging guidelines and the relevant institutional policies and procedures. It will also address how these concerns affect the researcher and the conduct of his/her/ day-to-day activities.

1 hr

SGS 5550 B **Responsible Conduct of Research: Human Subjects Research**

The involvement of human subjects in research is a basic feature of a wide range of academic disciplines, including research conducted within the bio-medical sciences, social/behavorial sciences, education, and the humanities. The aim of this one-credit course is to explore the responsibilities, commitments and obligations of the researcher who engages in research with human subjects.

1 hr

SGS 5550 C **Responsible Conduct of Research: Research Involving Animals**

The use of animals in research is characteristic of many academic disciplines, including but not limited to medicine, biological sciences, nursing, psychology, and pharmacy. The aim of this course is to explore the responsibilities, commitments and obligations of the researcher who engages in research with laboratory animals.

1 hr

SGS 5550 D **Responsible Conduct of Research: Threats to To Research Integrity-Conflicts of Interest and Scientif**

The conduct of research requires that investigators maintain the trust, confidence and support of their peers, their funding sources, and the public at large. Failing to deal with conflicts of interest and scientific misconduct represent, perhaps, the greatest threat to the relationship of trust. This course address, from both a regulatory and process perspective, issues related the identification, prevention and management of conflicts of interest and the prevention and appropriate responses to allegations of scientific misconduct.

1 hr

SGS 5550 E **Responsible Conduct of Research: Conducting Research**

This course addresses a variety of issues related to the initiation and management of research projects. Topics include the proper methods for the handling of the data; mentoring of research staff and trainees; collaboration amongst researchers, and the proper management of research funds.

1 hr

SGS 5550 F **Responsible Conduct of Research: Reviewing and Reporting Research**

This course addresses the topic of communication and dissemination of research results. Topics include the responsibility of researchers and scholars for assigning appropriate authorship, reviewing research studies for publication, grant application reviews and communication issues.

1 hr

SGS 5590 A **Special Topics**

1 hr

SGS 5590 B **Special Topics**

1 hr

SGS 5590 C **Special Topics**

1 hr

SGS 5590 D **Special Topics**

1 hr

SGS 5590 E **Special Topics**

1 hr

SGS 5590 F **Special Topics**

1 hr

Law School

Law Courses

LAW 8710 **Advanced Lawyering Processes**

Legal analysis, research and writing; instruction and discussion of the research and writing process and related topics in legal method and legal education; supervised production of an expository writing, advocacy writing and scholarly writing; development of research and writing exercises for use in the first-year Legal Writing Program and service as Teaching Assistants in the Program; limited enrollment; admission by application to the instructor.

1-3 hrs

LAW 8643 ADVANCED LEGAL RESEARCH

Course builds on Introduction to Law and emphasizes problem solving, systemic thinking about legal bibliography, and understanding of the issues confronting legal research. Topics include additional Lexis and Westlaw instruction, web-based research, transactional law, tax law, litigation, statistics, government agencies, international and foreign law, business intelligence and a specialty topic chosen by the student. Course work includes research problems and exercises and creation of a legal research guide.

2-3 hrs

LAW 8707 T ADVANCED LEGAL RESEARCH & WRITING: TRANSACTIONAL LAW

Prepares students who wish to focus on transactional law. The course is also intended to facilitate research for the student's legal research and writing requirement. The course will refresh and refine research skills, help students to think systemically about legal research, and familiarize students with applicable resources. As the final project, students will have the opportunity to develop an in-depth research "path finder" or guide for an approved topic of their own choosing.

1 hr

LAW 8643 L ADVANCED LEGAL RESEARCH-LITIGATION

Prepares students who wish to focus on advocacy and litigation (including students in litigation with respect to Family Law and Urban, Land Use and Environmental law). The course is also intended to facilitate research for the student's legal research and writing requirement. the course will refresh and refine research skills, help students to think systemically about legal research, and familiarize students with applicable resources. As the final project, students will have the opportunity to develop an in-depth research "path finder" or guide for an approved topic of their own choosing.

1 hr

LAW 8707 C ADVANCED LEGAL WRITING: LITIGATION DRAFTING

Preparation of litigation documents and pleadings, including complaint or petition; cross-claim, counterclaim or third-party petition; answer; discovery documents such as a set of interrogatories or requests to admit; dispositive motions; and settlement agreements. Prerequisites: Civil Procedure I & II.

2-3 hrs

LAW 8707 A ADVANCED LEGAL WRITING: PRACTICAL SKILLS DEVELOPMENT

Preparation of students for writing problems commonly encountered in the first two years of law practice: jury instructions, general correspondence, opinion letters, simple contracts, litigation motions and pleadings including a complaint, answer and some discovery documents. Individual feedback provided. Prerequisites: None.

2-3 hrs

LAW 8707 E ADVANCED LEGAL WRITING: SCHOLARLY WRITING

Preparation of students for scholarly writing including independent study, law review, and seminar papers. Focus will be on topic identification and refinement; developing a thesis; research strategies including reiterative and mediated searching, systemic evaluation of resources, problem typing and solving, and resources for specific topics in the law; proper attribution and use of authority; developing a working draft; and creating a balanced, thorough, and carefully reasoned and supported analysis.

1 hr

LAW 8732 ALTERNATIVE DISPUTE RESOLUTION

An overview of the emerging trend towards alternative forms of dispute resolution and some reasons for it, methods of dispute settlement, such as negotiation, mediation, arbitration and adjudication, the roles lawyers play in these various modes, problems and possibilities of non-adversarial methods of resolving conflict, particularly mediation.

2-3 hrs

LAW 8730 AMERICAN LEGAL HISTORY

The development of American law from the colonial period to the present, including the formation of the Constitution and its subsequent interpretations, the evolution of common law categories, and the development of the legal profession and legal education, as well as the movements in American legal theory. Paper required.

2-3 hrs

LAW 8665 A ANIMAL LAW

This course will begin with a brief overview of the philosophical and cultural issues underlying human/animal relationships, including basic theories of the legal systems's responses to social change. Legal issues relating to food animals, companion animals, laboratory animals, wild animals, and performing animals will be examined with reference to: (1) federal statues (Animal Welfare Act, Endangered Species Act, Marine Mammal Protection Act, Wild Horses and Burros Act, Animal Damage Control Act, National Wildlife Refuge System Administration Act, Refuge Recreation Act, National Environment Police Act, and Humane Slaughter Act); (2) state statues (anti-cruelty, wills and trusts, hunting, racing and fighting statues); (3) local animal control regulations; and (4) extensive common law (standing, rights, free exercise of religion, property, landlord-tenant disputes, torts, marital dissolution and custody, and bailment).

2 hrs

LAW 8605 ANTITRUST AND COMPETITION LAW

This course studies how antitrust laws work to create an environment in which free and open competition thrives. Course examines how antitrust laws seek to prevent unreasonable horizontal (competitors) and vertical (supply chain) restraints that harm consumers and to deal with markets where one competitor has attained monopoly power, conduct that is specifically exempted from antitrust regulation, who is entitled to seek redress for antitrust violations, and particular issues unique to antitrust litigation.

2-3 hrs

LAW 8747 APPELLATE ADVOCACY II

Preparation of memorandum (points relied on and summary of argument); presentation of two arguments before practicing attorneys. Ungraded.

1 hr

LAW 8748 APPELLATE ADVOCACY III

Ellison Moot Court Competition; preparation of an appellate brief and presentation of two oral arguments before federal and state judges. Open to the 16 finalists from Appellate Advocacy II. Ungraded.

2 hrs

LAW 8775 APPELLATE ADVOCACY IV

Participation on National Moot Court competition team. Ungraded.

1-2 hrs

LAW 8850 APPLIED EVIDENCE

Problems and simulations in evidence; application of the rules of evidence in many of the following topic areas: objections to the form of the question; hearsay; lay and expert opinion; authentication, the introduction of real and demonstrative evidence, rules of relevance, cross-examination and impeachment.

1-3 hrs

LAW 8636 A APPLIED FEDERAL CRIMINAL LAW & EVIDENCE

A practical skills course involving consideration and application of the rules of criminal procedure and evidence to a criminal case in federal court, including, but not limited to rules dealing with charging documents; bond & detention; discovery; suppression motions; plea bargains, pleas and sentencing; pretrial preparation; voire dire; evidentiary foundations; opinion testimony; character and related evidence. The course will also involve the drafting of documents.

2-3 hrs

LAW 8714 R ASSISTED REPRODUCTION SEMINAR

An in-depth examination of assisted reproduction from a legal perspective. The course will include interdisciplinary study of the development of reproductive technologies and the implications for law and regulation. The course will attempt to situate the legal discussion within the context of the changing science and the nature of the industry. Discussion will therefore consider the international development of the industry, the importance of determination of parenthood to its viability, potential exploitation of vulnerable patients, and the impact on the resulting children,. Course topics will include consideration of the constitutional, family law and regulatory frameworks, posthumous reproduction, embryonic stem cell a research and human cloning.

2-3 hrs

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2-3 hrs

LAW 8877 BANKRUPTCY COURT CLERKSHIP

The United States Bankruptcy Courts have jurisdiction over claims arising under federal bankruptcy law. Cases in these courts present issues arising not only under the Bankruptcy Code, but also in many other areas, such as secured transactions, contract law, labor law, and tax law. Student interns will, among other duties, observe court proceedings, assist in writing legal memoranda, and draft opinions. Enrollment in the Bankruptcy Court Clerkship Program is limited to students who have completed both Secured Transactions and Debtors & Creditor's Rights. Students work at least 70 hours at the court; and attend monthly conferences with the professor in charge of the program's over site.

2 hrs

LAW 8746 B BRIDGING THE RESEARCH GAP: FROM CLASSROOM TO PRACTICE

Research training,including firsthand observation at a courthouse of how a case moves through the legal system and hands-on use of print and electronic research tools for problem solving and analysis of results to help students make the transition from doing legal research for the classroom to the practice setting. Students will use Lexis' Total Litigator package of resources; Westlaw sources for transactional research; sources for legislative history, administrative law and secondary sources;and learn to develop research strategies and how to analyze the results for each.

1 hr

LAW 8783 B BUFFALO NATIONAL RIVER: ISSUES IN NATIONAL PARK LAW & MANAGEMENT

Specialized study of topics in natural resources law as it relates to the Buffalo National River in northern Arkansas. Students will explore the history of the Buffalo River; the state and federal laws in operation governing the park (e.g., the wild and scenic rivers act, the endangered species act, national historic preservation, etc.); and planning and management issues presented by the multiple uses of the area and its surroundings.

1 hr

LAW 8601 BUSINESS ORGANIZATIONS

Partnership, limited liability company and corporation law; choice of business forms, formation of partnerships, limited liability companies and corporations; rights, duties, and powers of partners, members, shareholders, directors, and officers; closely held corporations; proxy regulation; derivative suites; dividends and stock redemptions; introduction to the Securities Act of 1933 and Securities Exchange Act of 1934.

4 hrs

LAW 8757 BUSINESS PLANNING

Problem-method study of choice of entity and various other legal issues and planning challenges in forming a closely held business entity and in private and public financing of an existing enterprise. The course includes practical training from drafting organizational documents to conducting simulated client interviews and providing written advice concerning hypothetical transaction. Limited enrollment.

2-3 hrs

LAW 8797 BUSINESS TORTS AND UNFAIR COMPETITION

The common law applicable to relations between businesses that compete against each other or that cooperate with each other in the production and distribution of the same product. Tort, contract and property law principles as remedies not available in parallel statutory schemes, such as the antitrust or patent laws. Statutes that codify the common law or create statutory procedures or remedies for common law rights. (Consent of the instructor required for students who have taken Copyright, Patent and Trademark Law).

2-3 hrs

LAW 8713 C CAPITAL PUNISHMENT IN THE MODERN WORLD: CONSTITUTIONAL & HUMAN RIGHTS PERSPECTIVES

A consideration of problems and issues in the death penalty, including the following topics: the historical and constitutional perspectives on the death penalty; the practical application of the death penalty in the United States; capital punishment and human dignity; and the future of capital punishment

1 hr

LAW 8752 S CHILD & FAMILY SERVICES CLINIC

Students represent the Missouri Department of Family Services in representing children in foster care or otherwise under the authority of the Department. Students work under the supervision and direction of clinic faculty and faculty directors, receiving classroom instruction in the substantive law and procedure governing juvenile court actions. Students must be Rule 13 eligible. Pass/Fail.

2-3 hrs

LAW 8733 CHILDREN IN THE LAW

The ways in which the legal system treats children differently from adults and the justifications for such treatment, who should make decisions for the child, decisional authority that should be granted to parents, children and the state in various contexts (e.g., abuse and neglect, health care for the child, foster care, adoption and education).

2-3 hrs

LAW 8738 R CHINESE LAW

A summer abroad program in Chinese law taught at the University of Peking, Peoples Republic of China by Chinese Professors. Subjects include such topics as: Cultural History and Political Systems of China, Organization of the Chinese Legal System, Chinese Contract Law, Civil Law, Trial Practice & Rules of Evidence, Criminal Law & Procedure, Family Law, Human Rights Issues, Business Organizations, Taxation, Intellectual Property Law, Banking and Finance, Real Estate Law, Investment Law & Practice in China, and Alternative Dispute Resolution.

4.5 hrs

LAW 8521 CIVIL PROCEDURE I

Pleading; joinder of parties and claims; pre-trial motions; discovery; summary judgment; pre-trial and trial procedure; post trial motions.

3 hrs

LAW 8522 CIVIL PROCEDURE II

Court systems; personal jurisdiction and venue; federal jurisdiction; choice of law; preclusion; appellate procedure

2-3 hrs

LAW 8791 CIVIL RIGHTS

Elements of a Section 1983 case, enforceable rights and available defenses; procedural aspects of civil rights cases; suits against federal and state governments. Prerequisites: Constitutional Law I.

2-3 hrs

LAW 8721 COMMERCIAL TRANSACTIONS

Law of negotiable instruments; bank collections; Articles 3 and 4 of the Uniform Commercial Code; electronic funds transfers.

3 hrs

LAW 8860 COMMUNICATIONS LAW

The First Amendment as it relates to the mass media; media access to sources of information; conflict between the right of a defendant to a fair trial and the rights of the media; governmental restraints on the publication of information; individual's right to recover for publication of false information or embarrassing facts; differential treatment of broadcast and print media; First Amendment limitations on the FCC's regulation of broadcasting in such areas as licensing, discussion of controversial issues, and advertising.

2-3 hrs

LAW 8743 H COMPARATIVE HEALTH LAW

An examination of how the legal systems of several other nations address particular aspects of health law. Specifically, the focus of this course is on patent rights with respect to the health care they receive. This will include,I for example, consideration of patient rights when the care received has caused injury due to professional negligence. If time permits, it will also look at how other legal systems address the controversial issues surrounding the "right to die" as well as assisted suicide and euthanasia.

1 hr

LAW 8743 COMPARATIVE LAW

Historical and analytical study of the substantive and procedural nature of foreign systems, focusing on a comparison of the civil and common law traditions.

2-3 hrs

LAW 8706 COMPLEX LITIGATION

As related to litigation of complex cases, study of special issues of party joinder and intervention, class action requirements and limitations, discovery, case management, and estoppel by verdict or judgment. Prerequisites: Civil Procedure I and II.

2-3 hrs

LAW 8702 CONFLICT OF LAWS

Domicile; jurisdiction and limitations on the exercise of jurisdiction; judgments; full faith and credit; choice of law; conflicts problems in federal and international settings; conflicts problems in selected areas. Prerequisite: Civil Procedure.

2-3 hrs

LAW 8631 CONSTITUTIONAL LAW I - THE SUPREME COURT AND THE BILL OF RIGHTS

The origin and nature of judicial review, substantive due process in regard to regulation of economic affairs, retroactive legislation, inviolability of the person, freedom of expression and assembly, freedom of religion, equal protection of the laws, the electoral process, nationality and citizenship.

3 hrs

LAW 8632 CONSTITUTIONAL LAW II - POWERS OF GOVERNMENT

State and Federal constitutions; separation of powers; executive powers, legislative powers; the federal system; powers of Congress, residual powers of the states; relations between the States including extradition and interstate commerce.

2-3 hrs

LAW 8898 CONSTRUCTION LAW

The Construction Law course would emphasize state and federal construction law and would provide the students with practical experience in drafting contracts, negotiating disputes, and conducting a mock arbitration. The course would cover the contract responsibilities and remedies of contractors, subcontractors, design professionals, sureties and owners, including the United States Government. The course would emphasize the controlling state and federal statutes and regulations, as well as case law which illustrates the application of the statutes and other areas of law not covered by statute. The classroom sessions will include discussion of the practical aspects of legal practice in the construction industry, with instruction and examples regarding the drafting of documents and contracts, negotiation of disputes, and decision-making regarding the type of dispute resolution forum to recommend to a client.

2 hrs

LAW 8880 CONSUMER BANKRUPTCY

Comprehensive analysis of the options available to consumer debtors under chapters 7 and 13 of the Bankruptcy Code. While the primary focus will be on the debtor's options, creditor strategies will also be considered. Recommended: DebtorCreditor Rights.

2 hrs

LAW 8858 CONSUMER PROTECTION

Protection of consumers from false advertising, unfair sales practices, and consumer credit and debt collection abuse. Topics which may be covered are Truth-in-Lending Act, Uniform Consumer Credit Code, Fair Debt Collection Practices Act; Interstate Land Sales Disclosure Act, Federal Trade Commission and Missouri Attorney General activity, Missouri consumer credit legislation, consumer warranties, consumer class actions, abusive collection practices.

2-3 hrs

LAW 8501 CONTRACTS I

Formation and performance of simple contracts; consideration; express and constructive conditions, excuse of conditions; remedies for breach; contracts for benefit of third parties; assignment; impossibility of performance and discharge.

3 hrs

LAW 8502 CONTRACTS II

Continuation of LAW 8501.

3 hrs

LAW 8798 COPYRIGHT LAW

Protection extended to works of authorship including literacy works, computer programs, works of applied art, sound recordings, photographs, etc. under U.S. copyright law. How protection for works is achieved, the nature of rights protected, transfer of rights, and infringement actions. Related common law rights that may exist under doctrines such as implied contract, unfair competition, right of privacy, and right of publicity. (Consent of the instructor is required for students who have taken Copyright, Patent, and

Trademark Law).

2-3 hrs

LAW 8886 CORPORATE TAXATION I

Tax treatment of corporations and shareholders with respect to formation, non-liquidating distributions, stock dividends, redemptions and liquidations. The course will also cover the personal holding company tax, the accumulated earnings tax, collapsible corporations, multiple corporations and an overview of S corporations.

2-3 hrs

LAW 8887 CORPORATE TAXATION II

Tax consequences of corporate reorganizations; survival of tax attributes; acquisition of loss corporations; and a survey of consolidated return reporting. Prerequisite: Corporate Taxation or Instructor's permission.

3 hrs

LAW 8662 COURT CLERKSHIP

Second or third-year students with a GPA of at least 3.0 serve in a clerkship with a judge or magistrate of the U.S. District Court for the Western District of Missouri, or the U.S. Court of Appeals for the Eighth Circuit. Students work at least 70 hours at the court, and attend review conferences over the course of the semester. Ungraded. Pass/Fail.

2 hrs

LAW 8634 CRIMINAL LAW

Introduction to substantive criminal law, its role and purpose in our society; principles of liability, common law and statutory offenses; defenses; punishment.

3 hrs

LAW 8635 CRIMINAL PROCEDURE I

Introduction to the administration of criminal justice; constitutional rights of the accused; due process; privilege against self-incrimination; right to counsel; arrest, search, and seizure; wire-tapping; police interrogation and confessions; pre-trial identification procedures.

3 hrs

LAW 8636 CRIMINAL PROCEDURE II

Continuation of the study of the administration of criminal justice; exclusionary rules; bail; prosecutor's discretion; grand jury; preliminary hearing; jurisdiction, venue; joinder and severance of offenses and defendants; right to speedy trial; pleas of guilty; discovery; trial by jury; publicity; double jeopardy.

2-3 hrs

LAW 8635 R CRIMINAL SENTENCING: LAW PRACTICE & PROCEDURE

Study of sentencing issues and practice, including theories of crime and punishment, jurisdictional and constitutional issues, sentencing systems, sentence types and alternatives, and procedural issues; in-depth analysis of sentencing guidelines.

2-3 hrs

LAW 8820 CRIMINAL TRIAL TECHNIQUES

Strategy and tactics in handling a criminal case; effective representation of the accused at various stages of the criminal process; securing pre-trial release; plea bargaining; motion practice; discovery; voir dire; opening and closing statements; examination of witnesses; use of the expert; sentencing; appeal; collateral attack.

2 hrs

LAW 8716 CYBERLAW AND THE INFOSPHERE

Survey of the areas of the law with existing or potential application to computers (such as contract law, intellectual property law, criminal law, tort law and constitutional law) highlighting the legal issues involved in the areas studied.

2-3 hrs

LAW 8713 DEATH PENALTY CLINIC

The post-conviction process of collateral review in death penalty cases; training in legal representation of the postconviction petitioner. Pre-or Co-requisite: Problems and Issues in the Death Penalty.

1-2 hrs

LAW 8736 DEBTOR-CREDITOR RIGHTS

Creditors' remedies and debtors' rights; provisional remedies; secured transactions (Article 9 of the Uniform Commercial Code); liens and exemptions; overview of bankruptcy law.

2-3 hrs

LAW 8513 DEFAMATION, PRIVACY, RELATIONAL & EMOTIONAL TORTS

A focus on word torts, emotional injuries, and torts stemming from relational duties of care. Defamation topics covered will include private and public official and public figure plaintiffs, as well as tactical aspects of defamation actions and privileges. Privacy torts explored will be false light, public disclosure of private facts, intrusion and seclusion, and appropriation of name or likeness. The majority of the course will involve coverage of special or limited duties of care arising from contractual or professional relationships (such as medical and legal malpractice), landowner liability, sexual harassment in employment, familial and governmental immunities, prenatal injuries, negligent infliction of emotional distress, as well as theories of vicarious liability for the torts of others.

2-3 hrs

LAW 8845 DEFERRED COMPENSATION

Problem-method study of deferred compensation arrangements; qualified pension and profit sharing plans; individual retirement accounts; qualified stock option plans; other methods of deferred compensation.

2-3 hrs

LAW 8768 R DEPARTMENT OF LABOR CLINIC

Students work with the solicitor's Office of the United States Department of Labor assisting attorneys enforcing federal labor statues, including the Fair Labor Standards Act, OSHA, ERISA, and the Davis-Bacon Act. Under the supervision of the Deputy Regional Solicitor, students perform legal research relating to enforcement actions, draft discovery requests review documents, participate in client and staff conferences, and assist in the investigation of violations. Clinic participants maintain a log of their activities and have bi-weekly conferences with the faculty supervisor to review and evaluate their clinic experiences and research work product.

2-3 hrs

LAW 8815 R DISABILITIES AND THE LAW

An interdisciplinary study of the law relating to disabled persons in the areas of employment, education, and access to transportation, health, welfare and social services to provide an understanding of how the law affects individuals with disabilities and public and private entities. Legislation considered include the American with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, the individuals with Disabilities Education Act, the Family and Medical leave Act, the Fair Housing Act, the Voting Accessibility for the Elderly and Handicapped Act, and the Title VII of the Civil Rights Act of 1964. The enrollment of graduate students from other disciplines, such as education, business, and health sciences is encouraged to allow for interdisciplinary discussion of the topics involved.

2-3 hrs

LAW 8601 R DOING BUSINESS IN IRELAND

A comparative study of the business entity laws of the United States and the Republic of Ireland. In addition, the course will examine the competition laws of the United States and the European Union and corporate taxation of multinational companies operating in the Republic of Ireland.

1-5 hrs

LAW 8796 ECONOMICS AND THE LAW

Tools of economic analysis which have particular application in the law; equity and efficiency are weighed in regulation, pollution, discrimination, monopoly, financial markets, human resources and government expenditure and taxation policy. Principles will be introduced and expanded upon using both lecture and case study techniques.

2-3 hrs

LAW 8870 R EDUCATION LAW: GOVERNMENT & LEGAL ASPECTS OF EDUCATION

This course is designed to give students an introduction to the major legal doctrines that affect K-12 schools, as well as the policies that underlie or are changing those doctrines. Students should gain a working understanding of the impact of federal and state law on the operation of schools, the rights and responsibilities of teachers and administrators, and the rights of the students who attend those schools.

2-3 hrs

LAW 8733 E ELDER LAW

A course providing a basic foundation for legal practice with older persons, including the following substantive topics: The Older Americans Act,the delivery of legal services to the elderly,ethical considerations,consumer protection, discrimination,Social Security and Supplementary Security Income, Medicare, Medicaid, capacity issues, guardianship and alternatives to guardianship,elder abuse and neglect,adult protective services,nursing homes,long term care,housing, healthcare decisions, end-of-life decisions,estate planning and grand parents' rights.

2 hrs

LAW 8617 R ELDER LAW FOR ESTATE PLANNERS

An examination of the legal tools available for the elderly client for decision-making, both health care and financial, in the event of incapacity, and asset preservation, including Medicare and Medicaid qualification. The course will cover the use of trust; durable powers of attorney, and advance directives for health care and living wills and the relationship to court guardianship.

1 hr

LAW 8813 EMPLOYMENT DISCRIMINATION LAW

Substantive and procedural aspects of Equal Employment Opportunity Act and related matters.

2 hrs

LAW 8814 R EMPLOYMENT LAW

Survey of legal doctrines regulating the employment relationship, including the regulation of wages, hours and benefits; privacy in the workplace; workers' compensation; suits for unjust dismissal; drug and polygraph testing; and sexual harassment. May be offered as a seminar.

2-3 hrs

LAW 8890 R **ENTERTAINMENT LAW**

An examination of the legal issues affection the print and broadcast media. Topics covered may include copyright, antitrust, spectrum allocation, right of privacy, first amendment issues (prior restraint, obscenity, commercial speech, defamation and access to both information and judicial proceedings), licensing and new technologies including and beyond cable television.

2-3 hrs

LAW 8757 R **ENTREPRENEURIAL LAW & PRACTICE CLINIC**

Under faculty supervision, students will counsel start-up companies and their owners and implement business planning advice by drafting articles of incorporation and organization, by-laws, partnership agreements and other business contracts. Other business-related matters ranging from regulatory, consumer, licensing, and taxation requirements; copyrights, trademark, and patent creation; and 501(C)(3) applications for non-profits may also be covered in this course. Clinic students will also receive classroom instruction in the areas of client counseling and business planning and drafting of business documents. Prerequisites: Business Organizations, Commercial Transactions, Professional Responsibility (or concurrent enrollment). Missouri Supreme Court Rule 13 certification required for in-court representation.

2-3 hrs

LAW 8638 R **ENTREPRENEURIAL LAWYERING: SOLO AND SMALL FIRM PRACTICE**

Course will focus on law practice management for solo and small firms. Topics include organizational structure, firm management, fee setting and allocation, and effective and ethical marketing. Course includes attendance at the Missouri Bar Solo and Small Firm Conference.

2-3 hrs

LAW 8757 N **ENTREPRENEURSHIP & NEW VENTURE CREATION**

Jointly-taught by Law School and Bloch (Business) School faculty, this interdisciplinary course provides education in entrepreneurship to a combined class of students from law, business, engineering and perhaps other graduate-level disciplines. Using a combination of readings lectures, electronic blackboard discussions, team business planning projects and presentations, and individual presentations on selected topics, the Course is designed, from a law student's perspective, to both (1) familiarize the student with substantive knowledge of issues from multiple disciplines involved in creating a new venture to commercialize technology and (2) train law students in techniques designed to effectively communicate and resolve legal issues inherent in such projects in a collaborative manner with clients and their advisors from other disciplines.

3 hrs

LAW 8773 T **ENVIRONMENTAL & TOXIC TORTS**

An advanced torts course about compensation for damages caused by toxic contamination. It will address advanced theories of nuisance, trespass, negligence and strict liability. Particular emphasis will be given to proof and causation problems, and to novel and evolving legal theories for recovery. The course will also consider the problems posed by multiple parties, vicarious liability, and the interaction between common law and statutory remedies. The content will be tailored to supplement the environmental law curriculum. Offered: Winter Semester 2001

2-3 hrs

LAW 8773 **ENVIRONMENTAL LAW**

This course covers law developed to control pollution and to protect our country's physical environment. The course provides introductions to ecological theories and to early common law efforts to protect the environment. But the course mainly focuses on current environmental statues (for instance, the Superfund Act, the Resourse Conservation and Recovery Act, the Clean Air Act, and the Clean Water Act) and on current federal constitutional issues involving the environment. (Priorities in this mix may vary from year to year, depending on current events and related course offerings). Enforcement policies, citizen activism the needs of private industry, and the administrative process are also considered. No prerequisites.

2-3 hrs

LAW 8773 R **ENVIRONMENTAL LAW CLINIC**

Student(s) perform clinic activities at the United States Army Environmental Office, including performing legal research, writing position papers, attending state and federal regulatory hearings, participating in planning conferences and assisting with litigation. Students are supervised by the Central Regional Environmental Chief Coordinating Attorney and attend regular conferences with a faculty supervisor who reviews copies of all clinic written work that may be so reviewed under the United States Army Environmental Office rules. Prerequisites; Environmental Law or Administrative Law. Ungraded. Pass/Fail.

2-3 hrs

LAW 8782 **ENVIRONMENTAL LAW SEMINAR**

This course provides the theoretically inclined student the opportunity to address broad issues of public policy and resourse allocation in more depth than the basic environmental survey course allows. The seminar will also invole case studies and class problems to give the course real-world context. The seminar will typically focus on one particular ecological issue, such as environmental justice, sustainable development, or ecology as jurisprudence. No Prerequisites, but Environmental Law is helpful. Fulfills the "J" requirement.

2-3 hrs

LAW 8614 **ESTATE PLANNING AND DRAFTING**

Continuation of Estates & Trusts I using problems and cases as a basis for class discussion. Working in teams, students engage in the planning of estates for actual clients, proceeding through the entire process and culminating in the execution of wills, trusts or other appropriate instruments. Course is not open to students who have taken Estate Planning. Prerequisite: Estates & Trusts I.

3-4 hrs

LAW 8615 **ESTATE PLANNING AND PRACTICE**

Tax-oriented examination of contemporary estate planning problems for the larger estates, with emphasis on issues of direct concern to practitioners. This course is designed for LL.M. students. Others may take the course with permission of the Associate Dean.

3-4 hrs

LAW 8615 R ESTATE PLANNING FOR CHARITABLE GIVING

Survey of federal income tax and transfer tax laws governing gifts to charitable organizations, charitable remainder trusts and charitable lead trusts; procedural requirements to assure deductibility; and planning and drafting considerations.

1 hr

LAW 8614 R ESTATE PLANNING FOR RETIREMENT PLAN BENEFITS

The income, gift, estate and generation-skipping transfer tax consequences and rules related to the ownership, distribution and withdrawal of retirement plan benefits, including minimum required distributions, designating beneficiaries, spousal rights and rollover options

1 hr

LAW 8611 ESTATES AND TRUSTS

Intestate succession; testamentary dispositions; execution, modification, and revocation of wills; will contests; advancements, ademption, and exoneration; family allowances; rights of estate creditors; express, implied, resulting, and constructive trusts; basic tax aspects of estates and trusts; rule against perpetuities; will substitutes.

3-4 hrs

LAW 8609 ETHICAL ISSUES IN FAMILY LAW REPRESENTATION

Advanced study of the ethical obligations of public and private attorneys in estate, family, and juvenile law representation. Topics may include identification of the client, ethical and legal obligations of confidentiality and disclosure, competence and client communication, respect for third persons (particularly obligations toward children of clients) and other related subjects. Paper and presentation required. Pre-requisite: Professional Responsibility. Pre or co-requisites: Estates and Trust and Family Law. Limited Enrollment.

1-2 hrs

LAW 8621 EVIDENCE

General principles relating to proof of facts in civil and criminal trials; presumptions; order of proof; relevancy; judicial notice; real and demonstrative evidence; authentication; best evidence rule; hearsay; competency; impeachment; rehabilitation.

3 hrs

LAW 8662 F FAMILY COURT CLERKSHIP

Second or third-year students will serve as law clerks to judges and commissioners in the family court of Jackson County. Students work at least 80 hours at the court and attend review conferences over the course of the semester. Pass/Fail.

2-3 hrs

LAW 8751 FAMILY LAW

Pre-marital contracts; marriage; annulment; paternity; parent and child; divorce; alimony; division of property; separation agreements; adoption.

2-3 hrs

LAW 8751 F FAMILY LAW & FILM

An exploration of the function of family law and lawyers in society by examining legal decisions, statutes and legal commentaries in the context of films, including classic, contemporary mainstream, foreign, documentary and independent films. The seminar entails participants viewing a film followed by discussion. During the discussion session students will critique the film in light of assigned reading materials. Using films as analytical tools, the seminar examines the ways in which pop culture products (such as film and television) both reflect and change the social views about family law and lawyers. A pass/fail course.

1 hr

LAW 8752 R FAMILY LAW PRACTICE

A practical skills course in family law in which students participate in all phases of family law practice, including the initial client interview; the drafting of questionnaires, pleadings, motions custody and discovery plans, support and maintenance proposals, orders and other documents; negotiation, and preparation for litigation. Students work in teams and perform exercises which simulate "real world" situations. Prerequisite: Family Law.

2 hrs

LAW 8751 S FAMILY VIOLENCE

An in-depth examination of family violence from a legal perspective. Course topics will include interdisciplinary study of the dynamics and psychology of family violence, of historical and social policies, specialized problems of family violence (including intimated partner violence, child abuse and neglect, gay and lesbian battering, and elder abuse) and legal responses. Students will receive practical training in safety planning, intake, review of community resources, case logistics, and advocacy for temporary orders.

2-3 hrs

LAW 8757 F FANCHISING LAW

A consideration of the origins of franchising, compliance standards, franchise relationships, dispute resolution mechanisms and enforceability problems, including State and federal disclosure requirements applicable to the offer of franchises; State laws governing relationship issues between franchisor and franchisee; a review of forms of franchise agreement; and the negotiation of effect and enforceability of standard provisions. The course will emphasize, among other things, the claims of both franchisor and franchisee regarding issues typically litigated under franchise agreements, including rights to terminate the agreements, and available remedies for breach or wrongful termination.

2-3 hrs

LAW 8637 FEDERAL CRIMINAL LAW

Jurisdiction and responsibilities of federal law enforcement agencies, bases for federal criminal jurisdiction and federal/ state relationships in the enforcement of criminal statutes. Specific federal criminal statutes, case law and policy considerations are studied in the following areas: Racketeer Influenced and Corrupt Organizations (RICO); schemes to defraud (mail, wire, securities and bank fraud); drug offenses; tax prosecutions; currency reporting and transaction offenses; fraud against and false statements to federal agencies.

2 hrs

LAW 8843 FEDERAL INCOME TAXATION OF ESTATES AND TRUSTS

Income tax problems of the fiduciary; grantor's trusts; income, estate, and gift tax problems relating to optional or discretionary acts of the fiduciary in retention and/or distribution of income or corpus.

2 hrs

LAW 8765 FEDERAL JURISDICTION

Federal court system and jurisdiction of the federal courts; diversity of citizenship; removal of cases from state to federal courts; conflicts between state and federal judicial systems; original and appellate jurisdiction of the Supreme Court. Prerequisite: Civil Procedure.

2-3 hrs

LAW 8656 F FEDERAL PUBLIC DEFENDER EXTERNSHIP CLINIC

Up to three students will be assigned to work in the Federal Public Defender's Office. Under the supervision of the Federal Public Defender, a student will prepare pleadings and represent federal ndigent criminal defendants. Students will be expected to perform legal research, to write memoranda, motions and briefs, to observe and to appropriately participate in trials,pre-trial hearings, motion hearings and, in general, to assist in litigation. Students must meet eligibility requirements and be certified in compliance with the Local Federal Rules of Court. Student will work a pre-approved schedule totaling 6 hours a week for 14 weeks with a minimum of 80 hours a semester for two academic credit hours and to attend regular conference with their Supervising Attorney and with their Faculty Supervisor. Students must have completed three semesters of law school and must be in the upper half of their class. Ungraded. Pass/Fail.

2-3 hrs

LAW 8656 R FEDERAL PUBLIC DEFENDER EXTERNSHIP CLINIC

Up to three students will be assigned to work in the Federal Public Defender's Office. Under the supervison of the Federal Public Defender, a student will prepare pleadings and represent federal indigent criminal defendants. Students will be expected to perform legal research, to write memoranda, motions and briefs, to observe and to appropriately participate in trials, pre-trial hearings, motion hearings and, in general, to assist in litigation. Students must meet eligibility requirements and be certified in compliance with Local Federal Rules of Court. Student will work a pre-approved schedule totaling six hours a week for 14 weeks with a minimum of 80 hours a semester for two academic credit hours and to attend regular conferences with their Supervising Attorney and with their Faculty Supervisor. Students must have completed three semester of law school and must be in the upper half of their class. Ungraded. Pass/Fail.

2-3 hrs

LAW 8552 FEDERAL TAXATION

Theory, history, and principles of federal income taxation; basic concepts of income, classification of income and deductions.

3 hrs

LAW 8633 FIRST AMENDMENT LAW

Basic themes and advanced problems relating to the law of the First Amendment to the United States Constitution, including exploration of the values behind the protection, subversive advocacy, regulation of speech in the public forum, access to the media, regulation of the press, symbolic expression, libel, obscenity, commercial speech, picketing, right of association, loyalty oaths, legislative investigations and government demands for information, separation of church and state, free exercise of religion, state aid to the religious schools, regulation of religion-based conduct.

2-3 hrs

LAW 8764 D FOOD, DRUG & BIOTECHNOLOGY LAW

This course will focus primarily upon the regulation of food, drugs and the products of biotechnology, such as biologic drugs and genetically modified plants and animals. Much of the course will pertain to FDA law, but will also consider the roles of other regulatory agencies such as the EPA and USDA, and the interaction of state and federal law. This area of the law provides an interesting vehicle for exploring the adoption of interpretation of statutory law, the notice and comment rule-making process, administrative law and judicial review of administrative decisions, and the interplay of science, policy and the law.

2-3 hrs

LAW 8714 GENDER AND JUSTICE

Students will examine and discuss legal issues of special importance to women. Topics will include (among others) sexual discrimination, sexual harassment, domestic violence, reproductive autonomy, and pornography. The course seeks to present each topic in its social context by supplementing legal readings with materials drawn from the social sciences, literature, and film. Paper required. Enrollment limited to fifteen students. Recommended: Constitutional Law I.

2-3 hrs

LAW 8752 G GUARDIAN AD LITEM WORKSHOP

Advanced study of guardian ad litem practice. (GAL). Topics may include adult and child orders of protection, requirements for guardian ad litem appointments, role of the GAL, ethical considerations, working with social workers and other professionals, and best practices in investigation, recommendation, and representation. Students will partner with volunteer attorneys to act as guardians ad litem in order of protection cases. Prerequisites: Rule 13 eligible. Limited Enrollment, Instructor approval required.

1-2 hrs

LAW 8743 E **HUMANITY, EMOTION & THE LAW**

A consideration of how human emotions (including pride, loyalty, stubbornness, anger, passion, ethno-centrism, irrationality, compassion, jealousy and love) influence the creation of rules of law, responses to those rules and how they are perceived, handled, adjudicated and enforced.

1 hr

LAW 8738 **IMMIGRATION LAW AND PROCESS**

Admission, exclusion, deportation, and naturalization of aliens; structure and powers of relevant federal agencies; categories of immigrant and non-immigrant visas and visa application procedures; asylum, extradition, and refugee status; rights of aliens; public policy issues and proposals for reform; practical problems in immigration.

2-3 hrs

LAW 8738 P **IMMIGRATION LAW AND POLICY**

A focus on the historical development of immigration law in the United States and fundamental questions of immigration policy. Immigration bills in Congress have been the subject of heated debate,particularly in recent years. This course provides a historical,statutory,and theoretical background for evaluating such proposals. Students will evaluate proposed federal and state legislation across the country and immigration reforms in foreign countries. Particular emphasis will be placed on post-9/11 reforms and the relationship between immigration law and the war on terrorism. The subject matter is useful for the student who intends to practice immigration law,as well as for the non-specialist interested in Immigration law as a policy matter

2-3 hrs

LAW 8746 R **INDEPENDENT STUDY**

Independent study, including research and writing projects, under faculty supervision.

0.5-3 hrs

LAW 8760 **INSURANCE**

Life, fire, accident, and liability insurance; nature of insurance; nature of insurance contract; special rules of construction; standard policy provisions; regulation of insurance industry.

2 hrs

LAW 8808 **INTELLECTUAL PROPERTY LAW**

Substantive and procedural law of intellectual property. Coverage includes copyrights and patents and other areas at the option of the instructor.

2-3 hrs

LAW 8751 P **INTERDISCIPLINARY PERSPECTIVES ON WOMEN & VIOLENCE**

Jointly-taught by Law School, Medical School, Nursing School and Graduate School of Social Work faculty, this interdisciplinary approaches to problems of violence and women, such as domestic violence, sexual assault, child abuse, women as perpetrators of violence, and others. Using a combination of readings, simulations, skills trainings, team preparations and presentations of case studies and individual reflective papers, the Course is designed to engage professional students in understanding each discipline's approach to describing the problem, interacting with patients/clients in identifying the problem and sharing perspectives on developing plans to prevent and address the problem with and on behalf of these patients/clients. Through interactive exercises the students from each discipline will learn to effectively collaborate with other professionals to provide coordinated responses to issues of violence.

1 hr

LAW 8754 **INTERNATIONAL BUSINESS TRANSACTIONS**

Legal problems encountered in international business; jurisdiction and choice of law; enforcement of judgments; methods of protecting foreign investments; extra-territorial application of United States regulations, e.g. anti-trust law.

2-3 hrs

LAW 8831 R **INTERNATIONAL HUMAN RIGHTS LAW**

Study of the law protecting individuals and groups against govermental violations of internationally guaranteed rights; historical antecedents and theoretical underpinnings; human rights in national law (the United States); post World War II developments; principal international human rights instruments; regional human rights arrangements; human rights of women, refugees, ethnic minorities; implementation of rights; international obligations of the United States; selected civil, political, ecomomic and social rights.

1-3 hrs

LAW 8753 **INTERNATIONAL LAW**

Survey of international legal studies; nature and role of international law, its effectiveness in dealing with international problems and its application in domestic jurisdictions.

2-3 hrs

LAW 8889 **INTERNATIONAL TAXATION**

An introduction to the taxation of income of U.S. citizens, residents and corporations from foreign sources and the income of foreign residents and non-residents from U.S. sources. Topics may include sources of income rules, foreign tax credit provisions, the earned income exclusion for foreign source income, income tax treaties and a survey of the tax treatment of U.S. investments made offshore.

2-3 hrs

LAW 8746 I **INTERNSHIP**

0 hrs

LAW 8531 I **INTRODUCTION TO LAW & LAWYERING PROCESSES INTERNATIONAL**

Introduction to legal reasoning; case analysis and synthesis; case research; structure and style in legal writing with emphasis on expository writing, including office memoranda.

1-3 hrs

LAW 8531 **INTRODUCTION TO LAW AND LAWYERING PROCESSES I**

Introduction to legal reasoning; case analysis and synthesis; case research; structure and style in legal writing with emphasis on expository writing, including office memoranda.

3 hrs

LAW 8532 **INTRODUCTION TO LAW AND LAWYERING PROCESSES II**

Introduction to advocacy; introduction to interviewing, counseling and negotiation; statutory and computerized research; writing to and on behalf of a client, including a trial or appellate brief; oral advocacy.

2-3 hrs

LAW 8730 I **INTRODUCTION TO AMERICAN LAW & CULTURE**

Introduction to the American legal system, including government structure, sources of law, common law development, and core substantive areas. Available to LL.M. International students only.

2-3 hrs

LAW 8601 T **INTRODUCTION TO INTERNATIONAL TRADE**

The course will examine the structure and workings of the major global trade regimes, including the World Trade Organization ("WTO") and the North American Free Trade Agreement (the "NAFTA") The role of international trade in such areas as the environment, labor rights, national security, the developing world, and non-market economies will also be considered. The course will also focus in depth on United States domestic trade remedies, including antidumping, countervailing duties, section 301 and 337 actions as well as on other international trade restricting practices.

1 hr

LAW 8601 T **INTRODUCTION TO INTERNATIONAL TRADE**

The course will examine the structure and workings of the major global trade regimes, including the World Trade Organization ("WTO") and the North American Free Trade Agreement (the "Nafta") The role of international trade in such areas as the environment, labor rights, national security, the developing world, and non-market economies will also be considered. The course will also focus in depth on United States domestic trade remedies, including antidumping, countervailing duties, section 301 and 337 actions as well as on other international trade restricting practices.

1 hr

LAW 8832 I **INTRODUCTION TO INTERNATIONAL TRADE**

An examination of the structure and workings of the major global trade regimes, including the World Trade Organization ("WTO") and the North American Free Trade Agreement (the "NAFTA"). The role of international trade in such areas as the environment, labor rights, national security, the developing world, and non-market economies will also be considered. The course will also focus in depth on United States domestic trade remedies, including antidumping, countervailing duties, section 301 and 337 actions as well as on other international trade restricting practices.

1-3 hrs

LAW 8746 W **INTRODUCTION TO WORKERS' COMPENSTATION LAW AND PRACTICE**

An introduction to the general history and purpose of the workers' compensation laws with a particular emphasis on Missouri law. Students will be presented with and guided through actual workers' compensation problems which will introduce them to the practical aspects of the practice in this specialized area. With permission from Jefferson City and the Department of Labor and Industrial Relations,the students will be exposed to actual workers' compensation hearings,mediations and other courtroom practices held at the law school and presided over by an Administrative Law Judge.

1-2 hrs

LAW 8656 P **JACKSON COUNTY PROSECUTOR CLINIC**

As permitted by Missouri Supreme Court Rule 13, senior law students, under supervision, appear in court and assist the Jackson County Prosecutor's Office with the duties and functions the office provides the community. Students enroll for two semesters and are required to devote at least 10 hours per week to formalized instructions, individual mentoring, and instruction and guidance from assistant prosecutors. Limited enrollment, Prerequisites: Rule 13 certification, Evidence, Professional Responsibility, Criminal Procedure I, and Constitutional Law II. Ungraded. Pass/Fail.

3 hrs

LAW 8656 C **JACKSON COUNTY PROSECUTOR CLINIC-FAMILY LAW PROSECTION**

As permitted by Missouri Supreme Court Rule 13, senior law students, under supervision, appear in court and assist the Jackson County Prosecutor's Office, Child Support Division, in prosecuting cases involving paternity establishment and child support. Support services are provided without charge to custodial parents living in Jackson County. Students enroll for two semesters and are required to devote at least 10 hours per week to formalized instructions, individual mentoring, and instruction and guidance from assistant prosecutors. Limited enrollment. Prerequisites: Rule 13 certification, Evidence, Professional Responsibility, Criminal procedure I, and Family Law. Ungraded. Pass/Fail.

2-3 hrs

LAW 8656 C **JACKSON COUNTY PROSECUTOR CLINIC-FAMILY LAW PROSECUTION**

As permitted by Missouri Supreme Court Rule 13, senior law students, under supervision, appear in court and assist the Jackson County Prosecutors Office, Child Support Division, in prosecuting cases involving paternity establishment and child support. Support services are provided without charge to custodial parents living in Jackson County. Students enroll for two semesters and are required to devote at least 10 hours per week to formalized instructions, individual mentoring, and instruction and guidance from assistant prosecutors. Limited enrollment. Prerequisites: Rule 13 certification, Evidence, Professional Responsibility, Criminal procedure I, and Family Law. Ungraded. Pass/Fail.

2-3 hrs

LAW 8895 S **JURY SELECTION**

Students study the purpose of voir dire and the law pertaining to jury selection and receive hands-on experience in selecting a jury role-playing as lawyers; jurors, and presiding judge in a concluding 2 1/2 hour courtroom simulation (where a jury is selected after making challenges for cause and exercising preemptory strikes); and learn that jury selection is an artnot a science-which needs to be tailored to the facts of the case and the witnesses the attorney expects to present. An actual case involving a badly injured young plaintiff and a large corporate defendant-where liability is questionable-is used for the simulation. Students learn active listening skills and how to interpret non-verbal behavior. Examples form prominent, practicing lawyers are presented. The course is graded on a pass/fail basis.

1 hr

LAW 8733 R **JUVENILE OFFENDERS & THE LAW**

An examination of our justice systems's historical treatment of juvenile delinquent and status offenders, and how the goals and objectives of the past have evolved into today's juvenile offender laws; the rights of juvenile offenders in contrast to those of adult criminals; pre-trial and trial procedural issues under the juvenile code; certification of the juvenile offender as an adult; dispositional/treatment alternatives for juvenile offenders; schools and the juvenile offender.

2-3 hrs

LAW 8763 **LABOR LAW**

Regulation of labor relations pursuant to the national Labor Relations Act, focusing on the establishment of collective bargaining relationships, unfair labor practices, collective bargaining, strikes, picketing and pre-emption.

2-3 hrs

LAW 8766 **LAND USE LAW**

Legal and administrative aspects of land use and the problems and techniques of urban planning; statutory anti-nuisance devices; controlling land use by private methods (restrictive covenants, easements, and servitudes); zoning; subdivision controls; public acquisition of land; building and housing; urban renewal and redevelopment; environmental quality control (air, water, and conservation); relationship of lawyers, planners, private builders, and owners to governmental policies.

2-3 hrs

LAW 8728 **LAW AND THE AMERICAN INDIAN**

An anthropological, historical and legal study of the American Indian, including a focus on American Indian traditional law and values, federal policy and current legal issues.

2-3 hrs

LAW 8808 R **LAW OF INFORMATION TECHNOLOGY**

The course will examine some legal issues that the use of Information Technology has created. The course will focus upon United Kingdom and Irish substantive law, informed by legislative developments prompted by European Union legislative initiatives. These measures and approaches will be contrasted with United States law and legislative proposals. No specific expertise in the use of computers is required of the students.

1 hr

LAW 8832 **LAW OF INTERNATIONAL TRADE AND FINANCE**

Study of the World Trading System, focusing on policy and application, including the WTO, the NAFTA, U.S. trade remedies, foreign direct investments controls, and export controls.

3 hrs

LAW 8735 R **LAW OF THE EUROPEAN UNION (PART I)**

An in-depth study of the legal and political framework and institutions of the European Union; the Commission, Council of Ministers, Court of Justice, Court of Auditors, and the European Parliament. Course will examine the interlocking web of European treaties, the expansion of the European Union, the European Union as a trade block and Ireland as a gateway to the European Union for non-bloc nations.

1 hr

LAW 8737 R **LAW OF THE EUROPEAN UNION (PART II)**

An examination of the substantive and procedural law governing the member states of the European Community including such topics as the nature and application of European Union Law, the relationship between European Union and national laws, remedies in national courts, enforcement actions, damages and money claims, free movement of goods and workers competition laws, intellectual property, equal treatment of women and men, and non-discrimination.

2 hrs

LAW 8745 **LAW REVIEW**

Editorial work in connection with the "UMKC Law Review." Open to students selected on basis of scholarship. Ungraded.

1-3 hrs

LAW 8745 R **LAW REVIEW BOARD**

The members of the Law Review Editorial Board edit articles and student notes and comments for publication in the University of Missouri Kansas City Law Review; and shepherd the articles and student pieces through the production process.

1-5 hrs

LAW 8704 **LAWYERING SKILLS**

Interviewing and counseling; fact investigation; discovery; negotiation. Simulated videotaped exercises and drafting assignments. Prerequisites: Civil Procedure and Evidence.

2-3 hrs

LAW 8815 S **LEADERSHIP IN DISABILITY STUDIES: A MULTIDISCIPLINARY APPROACH**

An overview of the history of disability issues, some individualized perspectives of persons with disabilities, the rationale for interdisciplinary approaches regarding disability studies, and opportunities for leadership development with regard to disability issues. The students will participate in a forum that encourages reflection, exchange of ideas, interaction with persons with disabilities and persons from various fields of study, and case analysis. After an orientation to the study of disabilities, various aspects of community membership for persons with disabilities will be addressed, particularly with regard to the workplace, the neighborhood, and the home. Emphasis with placed on vital leadership roles that facilitate community membership and contribution of persons with disabilities to society.

3-4 hrs

LAW 8838 L **LEGAL ACCOUNTING**

Accounting as it relates to the work of a lawyer. Understanding financial statements (balance sheet, income statement, cash flow, shareholder's equity), analysis of financial statements; defferal concepts (inventory, depreciation, prepaid expenses), understanding accounting principles, valuation (present value, future value.).

1 hr

LAW 8790 **LEGAL AID CLINIC**

Internship at offices of Legal Aid of Western Missouri. Students receive instruction in basic poverty law representation and techniques for experiential learning and, depending on placement, are given supervised instruction and practice opportunities in client counseling, fact investigation and discovery, case preparation and pleadings, community advocacy and trial techniques. Faculty and Legal Aid attorney supervision. Limited enrollment. Concurrent enrollment in certain courses may be required for some field placements. Ungraded. Pass/fail.

3 hrs

LAW 8800 **LEGAL RESEARCH THESIS**

Research for LL.M. thesis.

1-8 hrs

LAW 8641 R **LEGISLATION**

This course explores a variety of topics under the broad heading of "Legislation." Included among them are: electoral and representational structures, legislative drafting, canons of statutory interpretation, identifying and utilizing legislative history, the role of referendums and initiatives as a supplement to representative institutions, public choice theory, and other theories of legislation. The course also includes an opportunity for students to participate in the drafting of legislation for the Kansas for Missouri State legislatures. Paper optional.

2-3 hrs

LAW 8734 **MEDIATION**

The process in which a neutral third party assists others in resolving a dispute or planning a transaction; introduction to the nature of the process, its possibilities and limitations, its current and future uses, and how lawyers can and should be involved in it; public policy and political issues surrounding the mediation movement; professional responsibility and malpractice.

2 hrs

LAW 8656 A **MISSOURI ATTORNEY GENERAL'S OFFICE CLINIC**

As Permitted by Missouri Supreme Court Rule 13, second and third year law students, under supervision, work at the Attorney General's Office in Kansas City assisting with the duties and functions of the office provides the community. Students are required to devote at least 6 hours per week to formalized instructions, individual mentoring, and instruction and guidance from assistant attorney generals. Limited enrollment. Prerequisites: Rule 13 certification. Ungraded. Pass/Fail.

2 hrs

LAW 8740 M **MISSOURI CIVIL PROCEDURE**

Selected problems in Missouri civil procedure under Missouri statute and rules. Topics may include venue and personal jurisdiction, pleading and motion practice rules on joinder of parties and claims, statutes of limitation, trial procedure, post-trial motions & appellate procedure, discovery, and preclusion. (2-3 hours)

2-3 hrs

LAW 8768 **NATIONAL LABOR RELATIONS BOARD CLINIC**

One-semester clinic in which student(s) will be assigned to the Kansas City Office of the National Labor Relations Board. Under the direction and supervision of the Regional Director, the student(s) will participate in the investigation and prosecution of unfair labor practice charges filed by employers, unions and employees. The student(s) may participate in conducting elections to determine whether employees shall be represented by a union. The student(s) will also assist in Federal District Court litigation to obtain injunctions against NLRA violations. Tasks will include document review, witness interviewing, research and case preparation. Bi-weekly conferences with faculty supervisor and log of clinic activities also required. Prerequisite: Labor Law.

2-3 hrs

LAW 8783 NATURAL RESOURCES LAW

Exploitation and conservation of natural resources; management of federal lands; water law; energy law; federal wildlife preservation; resolution of disputes involving use of natural resources.

2-3 hrs

LAW 8837 NEGOTIATING MERGERS AND ACQUISITIONS

Problem-method study of corporate, tax, securities, and business problems entailed in buying and selling a corporation; fundamental corporate changes: recapitalizations, mergers, sale of assets, sale of stock, and tender offers; corporate finance and rehabilitation of financially distressed corporations.

2-3 hrs

LAW 8888 R PARTNERSHIP TAXATION

An in depth examination of the tax principles governing partnerships limited liability companies and other unincorporated organizations classified as partnerships for tax purposed, including questions involving the tax consequences of the formation of such organizations, operating distributions, basis computations, liquidating distributions, and sales of ownership interests.

3 hrs

LAW 8882 PATENT LAW

This course will focus primarily on substantive U.S. patent law, including the laws governing the patentability of particular inventions, the patent procurement process, the rights granted by a patent, and patent enforcement and litigation. As time permits, the course will explore policy issues raised by the current patent system, discuss proposals for reform and international harmonization, and consider alternatives to patent protection such as trade secret and regulatory exclusivity.

2-3 hrs

LAW 8882 S PATENT LAW SEMINAR

Patent Law Seminar: A two-hour course for study of advanced patent law topics of current interest. The classes will analyze now-controlling Federal Circuit law on issues such as patentable subject matter, double patenting, post-issuance PTO procedures (reissue, re-exam), and infringement/validity of means-plus-function claims.

2-3 hrs

LAW 8882 R PATENT PROSECUTION

This course will focus primarily on the practical application of substantive U.S. patent law, including the laws governing the patentability of particular inventions, the patent procurement process, the rights granted by a patent, and patent enforcement and litigation. In particular, this class will focus on teaching students how to draft a patent application and how to prosecute the application in the U.S. Patent and Trademark office. This class will be designed to mirror the substantive patent law being taught in the Patent Law course. For example, the Patent Law course will present the law and theory of obviousness or novelty; the Patent Prosecution course will instruct in how to deal with and respond to an obviousness or novelty rejection from the U.S. Patent and Trademark Office.Pre or Co-requisite: LAW 8882, Patent Law.

2-3 hrs

LAW 8729 PRESERVATION LAW

An exploration of the legal and economic issues impacting preservation of land, wilderness, buildings and archeological and historical sites, including a study of various federal and state preservation legislation, and private land use preservation measures.

2-3 hrs

LAW 8712 PROBLEMS AND ISSUES IN THE DEATH PENALTY

Issues and problems in the administration of the death penalty; the Missouri capital sentencing scheme; constitutional limitations, statutory schemes, state review systems, procedural matters and collateral review of death sentences.

2 hrs

LAW 8815 PRODUCTS LIABILITY

Theory and practice in products liability cases; negligence; misrepresentation; strict liability; theories of product defect; applicability of the Uniform Commercial Code including warranties and disclaimers; actions among members of the distribution chain.

2-3 hrs

LAW 8846 PROFESSIONAL MALPRACTICE LITIGATION

Negligence by those in professions; consideration of the practice components of litigating legal malpractice claims, including investigation, jurisdiction, legal theory and defenses, pleading, discovery, trial, expert testimony, jury instructions and judgment. Prerequisite or co-requisite: Professional Responsibility

2-3 hrs

LAW 8731 PROFESSIONAL RESPONSIBILITY

Code of Professional Responsibility and the Model Rules of Conduct; role of the lawyer as a professional; confidentiality; conflict of interest; zeal within the bounds of the law; competency; providing legal services.

2 hrs

LAW 8541 PROPERTY I

Introduction to the nature of property; basic personal property law; adverse possession; possessory estates; basic future interests; marital and concurrent interests; landlord-tenant relationships.

3 hrs

LAW 8542 PROPERTY II

Licenses, easements, real covenants, equitable servitudes; nuisances; basic water law; brokerage; financing, mortgages, deeds of trust; contract of sale, deeds, closing; title insurance, warranties; recording; eminent domain; zoning.

3 hrs

LAW 8656 PUBLIC DEFENDER TRIALS CLINIC

As permitted by Missouri Supreme Court Rule 13, senior law students, under supervision, handle cases referred from the Public Defender. Students enroll for two semesters and are required to devote at least 10 hours per week to applied skills, weekly conferences, and lectures. Limited enrollment. Prerequisites: Criminal Law and Legal Writing I and II. Students must also have completed or be enrolled in Criminal Procedure I, Evidence, and Professional Responsibility. Ungraded. Pass/Fail.

3 hrs

LAW 8771 PUBLIC FINANCE

Fiscal, economic, and taxation problems and powers of local government in metropolitan areas; constitutional limitations; spending and public finance; property taxes; special assessments and exactions; interstate tax acts; local income taxes; debt financing; debt adjustment; public expenditures and contracts; financing education.

2-3 hrs

LAW 8650 RACE AND THE LAW SEMINAR

In-depth examination of the role that race plays in American society as a whole and in judicial decision-making in particular. Coursr will examine the effect of race on representative democracy, employment, education, housing, hate crimes, the legal profession, sex, popular culture, and other aspects of the law. Research paper.

2-3 hrs

LAW 8861 REAL ESTATE FINANCE

Real estate investment and development; basic financing instruments (e.g., mortgages, deeds of trusts, contracts for deed); foreclosure remedies; home finance, national housing market; financing of commercial and industrial properties; construction financing; mechanic's liens; priority disputes; bankruptcy issues affecting real estate security interests.

3-4 hrs

LAW 8875 REAL ESTATE TRANSACTIONS

Practice-oriented course, including the development of drafting skills, in which questions involving basic residential and commercial real estate sales and civil and leasing transactions are considered, such as title, title insurance, contract conditions, contract remedies, commercial leasing (office and shopping center issues) and issues concerning and confronting brokers; special emphasis on Missouri and Kansas law.

2-3 hrs

LAW 8711 REMEDIES

Remedies for violation of legally protected interests; history and development of equity jurisdiction and modern equity practice; injunctions; declaratory judgments; rescission; reformation; restitution; contempt; damages. Prerequisite: Civil Procedure.

2-3 hrs

LAW 8899 REQUIRED GRAD ENROLLMENT

1 hr

LAW 8746 RESEARCH & WRITING REQUIREMENT

Completion of a paper of publishable quality, demonstrating intensive research and analysis under faculty supervision.

2 hrs

LAW 8827 R SEMINAR IN RELIGION & THE LAW

This seminar will explore the complex interaction between religion and the legal system, including a study of famous trials raising issues of religion. Also emphasized, will be the interpretation given to the Establishment Clause and Free Exercise Clause by the Supreme Court, and the fundamental question of what role religious values can and should play in shaping our criminal law. Other topics to be addressed might include ministerial privilege, application of tort law to religious institutions, tax exemptions for religious institutions, conscientious objection, and efforts to apply religious doctrine in legal education.

1-2 hrs

LAW 8720 SECURED TRANSACTIONS

Secured Transactions in personal property under Article 9 of the Uniform Commercial Code, function and form of a security agreement, process of perfecting a security interest, priority among unsecured parties; secured sales of goods under Article 2 of the Uniform Commercial Code.

3 hrs

LAW 8758 S SECURITIES REGULATION

Problem and policy method study of the Securities Act of 1933 and selected aspects of the Securities Exchange Act of 1934; financing of an enterprise; reorganizations; tender offers; proxy regulation; and securities fraud claims.

2-3 hrs

LAW 8826 SEMINAR IN CONSTITUTIONAL INTERPRETATION

Current issues in constitutional law. Paper required. Prerequisites: Constitutional Law I.

2-3 hrs

LAW 8735 SEMINAR IN FAMOUS TRIALS

Historical and jurisprudential issues involved in a number of "political trials."

2-3 hrs

LAW 8853 R SEMINAR IN LAW, SCIENCE & TECHNOLOGY

A research seminar which provides a survey of cutting edge issues that arise when the law is forced to confront advances in science and technology and in which students working individually research, write and present on a current law and science or technology topic, such as the facilitation, funding, protection and commercialization of technology; the transfer of technology from the public to private sector; intellectual property issues; bioterrorism; industrial espionage and the protection of trade secrets; technology in the courtroom; scientific evidence; bioethics; forensic anthropology; agricultural biotechnology and cyber law.

2-3 hrs

LAW 8897 SEMINAR IN LEGAL EDUCATION

Pedagogical philosophy of legal education; common themes in first-year legal education; techniques of cooperative learning of legal materials. Students may act as study group leaders for various first-year course subjects. Ungraded.

1-2 hrs

LAW 8883 SEMINAR IN NATIONAL SECURITY LAW

Consideration of lawyer involvement in the formulation and execution of national security policy. Concentration will be upon the practice of law in the public sector. In an interdisciplinary undertaking, this course will define national security and examine its historic and theoretical roots. Domestically, Constitutional principles and rules will be studied. Use of force will be explored from the vantage point of ethics, international law, and the law of war. Legal issues surrounding problems of control of international terrorism, low intensity conflict, planning and using rules of engagement, and supporting international peace-keeping and peace-making missions will be discussed.

2 hrs

LAW 8827 R SEMINAR IN RELIGION & THE LAW

This seminar will explore the complex interaction between religion and the legal system, including a study of famous trials raising issues of religion. Also emphasized, will be the interpretation given to the Establishment Clause and Free Exercise Clause by the Supreme Court, and the fundamental question of what role religious values can and should play in shaping our criminal law. Other topics to be addressed might include ministerial privilege, application of tort law to religious institutions, tax exemptions for religious institutions, conscientious objection, and efforts to apply religious doctrine in legal education.

1-2 hrs

LAW 8820 R SEMINAR IN THE ETHICS OF CRIMINAL ADVOCACY

Advanced study of selected topics relating to the ethical obligations of prosecutors and defense attorney. Topics may include special obligations of prosecutors, secrecy and confidentiality, conflict of interest, the limits of zealous advocacy, marketing and fees, competence and related subjects. Paper and presentation required. Pre-requisite: Professional Responsibility. Suggested pre-or co-requisite: Criminal Procedure I and II. Limited Enrollment.

2 hrs

LAW 8792 S SEMINAR ON GUN LAW & POLICY

This course examines legal and public policy issues relating to firearms and the role they play in the United States, with a particular emphasis on debates about the meaning of the Second Amendment and attempts to hold gun manufacturers and sellers liable under tort law. Research paper required. No prerequisite courses.

1-3 hrs

LAW 8881 SEMINAR ON THE SUPREME COURT

Students simulate the work of the Supreme Court on nine cases presently pending before that court. The student justices study the briefs and related material filed in each case, discuss and vote on the cases, and write majority and dissenting opinions. Enrollment in the seminar is limited-fittingly--to nine justices.

3 hrs

LAW 8735 P SEMINAR IN PRE-TWENTIETH CENTURY FAMOUS TRIALS

This seminar will explore six or seven of the most famous trials from ancient times to the end of the nineteenth century. The trials covered will vary from year to year, but will be taken from a list that includes the trials of Socrates,Jesus, Joan of Arc,Sir Thomas More,Galileo,the Salem witches,John Peter Zenger,the British soldiers charged in connection with the Boston Massacre,Aaron Burr,the slaves of the Amistad,John Brown,the Lincoln Assassination conspirators,Susan B. Anthony, the Haymarket rioters,Lizzie Borden,and Oscar Wilde. Each trial will be examined from many perspectives,both with an eye to deepening students' appreciation for history and their understanding of the tactical and ethical questions faced by attorneys involved in these famous cases. Materials for the seminar can be found on the Famous Trials website. Grades for the seminar will be based both on an in-class objective examination and a short paper addressing an issue raised in a famous pre-twentieth century trial.

1 hr

LAW 8714 S SEXUALITY AND THE LAW

An examination of sexual orientation,sexuality,and the law. This course will introduce students to existing and emerging jurisprudence in these areas by examining case law with an eye toward how holdings in specific cases can be expanded or restricted in future litigation. The five-day course will examine the manner in which constructions of sexuality and sexual orientation have impacted the development of law in the areas of constitutional law (including speech and the right to privacy),employment,marriage,parenting,violence and military service.

1 hr

LAW 8867 R SOCIAL SECURITY ADMINISTRATION LAW CLINIC

Students assist an Administrative Law Judge in performing duties handled by the Social Security Administration, including reviewing files of pending cases; conducting legal research; attending hearings and participating in conferences, as assigned; preparing recommendations for the disposition of motions and for on the record decisions; and preparing draft decisions. Students are supervised by an attorney advisor and attend regular conferences with a supervising faculty member who reviews copies of all clinic written work that may be so reviewed under Social Security Administration rules. Prerequisite: Administrative Law. Ungraded. Pass/Fail.

2-3 hrs

LAW 8757 L SPECIAL TOPICS IN ENTREPRENEURIAL LAWYERING

Examination of issues related to ethical and effective management and marketing of law practice, emphasizing solo and small firm practice. Topics will vary from year to year, but will generally address issues such as forms of practice, dissolution of practice, practice management systems (including technology assistance), human resources management, advertisement and solicitation, insurance and malpractice.

1-2 hrs

LAW 8757 S SPECIAL TOPICS IN BUSINESS LAW PRACTICE

Specialized course of study in the following areas relating to transactional practice: conducting research in special areas of business and tax law,with related exercises; application of ethical rules to issues commonly arising in business/tax practice fact patterns; overview of deferred compensation techniques with which business and tax lawyers should be at least generally familiar; selected issues in corporate finance and venture capital,with emphasis on advanced/hybrid financial instruments not covered in detail in the Business Organizations course; and negotiation skills training,including a lecture on negotiation rules,etc.,and review and critique a tape of negotiators in action. Completion of this course will satisfy both the advanced research and ethics requirements of the Business & Entrepreneurial Law Emphasis.

1 hr

LAW 8890 A SPORTS LAW I, AMATEUR SPORTS LAW

Coverage of various amateur sports law issues with a focus on the regulation of interscholastic, intercollegiate sports, Olympic and international sports, and sports broadcasting; including such topics as constitutional law, tort law, contract law, and Title IX gender discrimination; and a consideration of federal disability discrimination laws, the status of collegiate athletes who participate in big time sports programs, the regulatory authority of the National Collegiate Athletics Association, The National High School Athletic Association, international and Olympic sports organizations.

2-3 hrs

LAW 8890 B SPORTS LAW II, PROFESSIONAL SPORTS LAW

A focus upon the multitude of legal issues and unique relationships in the sports industry, including, among other issues, professional team sports, other professional sports, facilities management in professional sports, legal implications and the practical realities of the unique labor-management relationships in professional sports. The most significant areas to be studied in the context are antitrust, labor, communications, taxation, contracts law, and intellectual property law.

2-3 hrs

LAW 8770 STATE AND LOCAL GOVERNMENT LAW

Structure, powers, and divisions of local governments in metropolitan areas; role and powers of cities, counties, towns, school and special districts; decentralized and neighborhood governmental units and other local governmental units; legislative, home-rule, and constitutional sources of power; sovereign immunity; boundary adjustments; public employee relations; citizen participation; reapportionment; licensing and permits; ethics and public access to records; regional governance; intergovernmental cooperation; interstate compacts and authorities; function of local government with reference to solution of problems created by urban growth; role of judicial, administrative, and political processes.

2-3 hrs

LAW 8848 R STATE AND LOCAL TAXATION

State and local taxation of income, sales and property, including the apportionment of tax obligations to multiple states. Restrictions imposed by constitutional doctrines such as the uniformity and equality requirement and the prohibition on interfering with interstate commerce.

2-3 hrs

LAW 8834 R TAX CLINIC

Students counsel clients in federal, state and local tax controversy matters in the Kansas City Tax clinic, under the supervision and direction of tax faculty, clinic director, and volunteer attorneys. Classroom instruction in the area of tax controversy procedure and client counseling. Prerequisite: Federal Income Tax and Tax procedure (or concurrent enrollment). Method of grading: Pass/Fail.

0.5-2 hrs

LAW 8612 R TAX PLANNING WITH LIFE INSURANCE

An examination of the various tax consequences of using life insurance, including issues relating to the income, gift and estate tax consequences of life insurance ownership by an individual, and irrevocable trust, or business entity.

1 hr

LAW 8838 R TAX PRACTICUM I

Practical skills training in the sources and methods of tax research (including electronic database sources) using problem method approaches; analytical and planning skills are developed through in-depth case study research.

1-3 hrs

LAW 8834 TAX PROCEDURE

Problem-method study of procedures and taxpayers' rights when deficiencies are assessed by the Internal Revenue Service; tax liens; commencement of litigation in Tax Court, Federal District Court, and Court of Claims.

2 hrs

LAW 8874 TAX-EXEMPT ORGANIZATIONS

An in-depth examination of the state and federal laws that govern the formation and operation of tax-exempt organizations, with emphasis on Sec. 501 (c) (3) charities; criteria for tax-exempt status; IRS application and reporting procedures; unrealted business income tax issues.

2 hrs

LAW 8603 TAXATION OF BUSINESS ORGANIZATION

Survey course of the taxation of business enterprises, particularly partnerships, corporations and subchapter S corporations. Prerequisites: Federal Taxation and Business Organizations.

2-3 hrs

LAW 8892 R TAXATION OF ESTATES, GIFTS AND TRUSTS

Problem method study of estate, gift and generation skipping transfer taxes and the income taxation of estates and trusts. Emphasis on lifetime and post-mortem planning as well as compliance requirements.

2-3 hrs

LAW 8895 THE JURY: PRACTICE AND PERSPECTIVES

Examination of the American jury from both practical and theoretical perspectives; Constitutional issues relating to jury representativeness, use of peremptories, and alleged jury bias; jury selection techniques; juror information processing and the dynamics of jury deliberations; jury competence; jury size; juror misconduct; jury "nullification"; proposals for reform of the jury system.

2 hrs

LAW 8740 C THE MISSOURI SUPREME COURT & CONSTITUTION

In four of the five sessions, students will study a single case that is currently pending before the Missouri Supreme Court or has very recently been decided by it. Each case will be selected because it raises important issues under the Missouri Constitution or because it illustrates an important aspects of the Supreme Court¿s function in our judicial system. The students will read the briefs and (in some cases) a small amount of related material before the class session. The class will discuss the issues raised by the briefs and listen to the actual oral argument of the case. As part of the discussion, students will be introduced to the way the Supreme Court functions. One session will ordinarily consist of a trip to the Supreme Court in Jefferson City to observe the Court (if it is in session) and to meet with one or more its members. This session will be scheduled on whichever day best fits with the Court¿s schedule.

1 hr

LAW 8511 TORTS

Wrongs to the person and to property; legal remedies through which compensation or other relief may be obtained.

3 hrs

LAW 8753 L TRANSNATIONAL LITIGATION & ARBITRATION

Legal issues involved when litigation crosses international borders, including such issues as: International service of process, international discovery, extraterritoriality, sovereign defenses and foreign legal environments (courts, lawyers, clients, laws).

2-3 hrs

LAW 8700 TRIAL ADVOCACY I

A practical skills course in advocacy which introduces students to the fundamental components of a typical civil and criminal trial and requires students to perform exercises involving each component and try a mock civil or criminal case from provided problem materials. The course is graded on a pass/fail basis. Prerequisite or corequisite: Evidence.

2 hrs

LAW 8703 TRIAL ADVOCACY II

A practical skills course in the art of trial advocacy with an emphasis on technique, style, and methods of persuasion. During class sessions, students perform exercises involving the various stages of a law suit, and are critiqued on their performances. Following performance of the exercises, students are divided into teams and try a mock case in a trial competition, from which the Law School's National Trial Competition Teams are selected. The trials are evaluated by trial lawyers and federal or state judges. The course is graded on a pass/fail basis.. Limited enrollment. Prerequisite: Trial Advocacy I

2 hrs

LAW 8705 TRIAL ADVOCACY III

Students, under the supervision of trial advocacy faculty, participate in trial competitions. Enrollment by invitation only. The course is graded on a pass/fail basis. Prerequisite: Trial Advocacy I and II.

2 hrs

LAW 8868 TRUSTS: PLANNING, DRAFTING, ADMINISTERING & LITIGATING

Focus on advanced planning and drafting of inter vivos private express trusts for individuals, including proper use of readily available forms (tax-related drafting limited to marital and charitable deduction forms), consideration of trustee's duties, powers and liabilities pursuant to the Missouri Trust Code and related cases, and special emphasis on the recently-adopted Uniform Investor Act and the significant changes it has introduced to Missouri trust investment law. Estates & Trusts is a prerequisite to this course, and concurrent enrollment in Estate Planning & Drafting is advised.

2-3 hrs

LAW 8637 R U.S. ATTORNEY'S OFFICE LAW CLINIC

Up to four students, under supervision of an Assistant United States Attorney, are selected as interns to work in the United States Attorney's Office for the Western District of Missouri with members of the Strike Force, Narcotic Unit, General Crimes Unit or Civil Division. Activities include, legal research and writing, consisting of memoranda, motions and briefs; observations and participation in trials, pre-trial hearings and motions, as appropriate; and assistance with litigation. Students are expected to work a pre-approved schedule of six hours a week for fourteen weeks with a minimum of eighty hours a semester and to attend regular conferences with their supervising attorney and faculty supervisor. Prerequisites: Three semesters of law school and attainment of at least a B+ cumulative grade point average. Eligible interested students are screened and selected. Ungraded. Pass/Fail.

2-3 hrs

LAW 8782 R U.S. ENVIRONMENT PROTECTION AGENCY LAW CLINIC NATIONAL AGRICULTURAL COMPLIANCE ASSISTANCE CENTER

students will be assigned to work with EPA's National Agriculture Compliance Assistance Center (AG Center). Under the supervision of an attorney with the Ag Center, a student will be expected to perform legal research, write memoranda, develop compliance assistance materials, respond to inquiries from the regulated community, and participate as appropriate in meetings, conferences, and training sessions with EPA, other federal agencies, trade associations, etc., and, in general, assist in the activities of the Ag Center. Students must have completed three semesters of law school. Preference will be given to students who have completed Environmental Law or administrative Law. Eligible interested students will then be screened and selected. Ungraded. Pass/Fail.

2-3 hrs

LAW 8782 S U.S. ENVIRONMENTAL PROTECTION AGENCY CLINIC, REGION VII

Students will be assigned to work at the EPS's Region VII Headquarters in Kansas City, Ks. Under the supervision of an EPA attorney, students will be expected to perform legal research, write memoranda, develop compliance assistance materials,respond to inquiries from the regulated community, and participate as appropriate in meetings, conferences, and training sessions with the EPA. Students will attend regular conferences with their Supervising Attorney and Faculty Supervisor, and will produce a final written project based on their experience. Students mush have completed two semesters of law school. Preference will be given to students who have completed an environmental course at the Law School. Eligible students will be screened and selected. Positions limited. Ungraded, pass/fail.

2-3 hrs

LAW 8750 B URBAN LAWYER BOARD

Members of the Urban lawyer Editorial Board, articles that are submitted and coordinates student written case digests and comments for publication in The Urban lawyer. The members of the board ensure the articles and student pieces conform to publication standards and work the articles through the production process. Board members must take at least one credit in the fall semester and can carry over the remaining allocated credits to the winter semester. Ungraded.

1-5 hrs

LAW 8750 URBAN LAWYER STAFF

Staff members of the Urban Lawyer receive credit for writing case notes, annotations, and statutory developments, for editing articles, for editing comments and book reviews, and for participation in urban legal conferences. Research Editors of the Urban Lawyer receive additional credit for writing a major article or comment for publication in the journal. Ungraded.

1 hr

LAW 8725 WATER LAW

Private acquisition of water rights through riparian ownership and prior appropriation; public rights to water existent in bed ownership easements and trusts; ground water management; water distribution organizations; federal allocation and control of water resources; interstate allocation.

2-3 hrs

LAW 8884 WHITE COLLAR CRIME

Examines substantive federal law in the areas of fraud, public corruption, financial crimes and conspiracy; it also includes examination of procedural and policy issues related to business and white-collar investigations. Prerequisites: Criminal Law and Criminal Procedure I.

2-3 hrs

LAW 8778 WORKSHOP ON CURRENT ISSUES IN FAMILY LAW

Under direction of professor, students provide editorial assistance in publishing Journal of the American Academy of Matrimonial Lawyers, write a paper on selected topics and prepare summaries and bibliography of current works. Limited enrollment. Prerequisite: Family Law.

2 hrs

LAW 8635 S WRONGFUL CONVICTIONS

An examination of the causes of wrongful convictions, a consideration of systemic reforms that might minimize convicting the innocent and a focus on recurring ethical issues that confront prosecutors and criminal defense lawyers. Students also will work with The Midwestern Innocence Project on cases of possible actual innocence.This course provides an insider's look into the operation of the criminal justice system and is designed to help students gain insight into features of the criminal justice system that have a tendency to produce wrongful convictions. It should be of particular interest to any student interested in working in a prosecutor's office, public defender's office or for a firm doing defense work. It is a prerequisite for any student wishing to enroll in the Innocence Project clinic. Limited enrollment (normally, up to 16 students)

2-3 hrs

LAW 8635 T **WRONGFUL CONVICTIONS II**

A follow-up class to Wrongful Convictions I, open only to students who have completed Wrongful Convictions I. The course will involve "hands on" work with cases that have passed through the first level of screening in Wrongful Convictions I with students receiving the transcripts and case documents in addition to the briefs and opinion in the case. Students will receive these documents and report on the likelihood that an inmate is innocent and the strategies available for pursuing the claim of innocence.

2-3 hrs

LAW

LAW 8710 **ADVANCED LAWYERING PROCESSES**

Legal analysis, research and writing; instruction and discussion of the research and writing process and related topics in legal method and legal education; supervised production of an expository writing, advocacy writing and scholarly writing; development of research and writing exercises for use in the first-year Legal Writing Program and service as Teaching Assistants in the Program; limited enrollment; admission by application to the instructor.

1-3 hrs

LAW 8643 **ADVANCED LEGAL RESEARCH**

Course builds on Introduction to Law and emphasizes problem solving, systemic thinking about legal bibliography, and understanding of the issues confronting legal research. Topics include additional Lexis and Westlaw instruction, web-based research, transactional law, tax law, litigation, statistics, government agencies, international and foreign law, business intelligence and a specialty topic chosen by the student. Course work includes research problems and exercises and creation of a legal research guide.

2-3 hrs

LAW 8707 T **ADVANCED LEGAL RESEARCH & WRITING: TRANSACTIONAL LAW**

Prepares students who wish to focus on transactional law. The course is also intended to facilitate research for the student's legal research and writing requirement. The course will refresh and refine research skills, help students to think systemically about legal research, and familiarize students with applicable resources. As the final project, students will have the opportunity to develop an in-depth research "path finder" or guide for an approved topic of their own choosing.

1 hr

LAW 8643 L **ADVANCED LEGAL RESEARCH-LITIGATION**

Prepares students who wish to focus on advocacy and litigation (including students in litigation with respect to Family Law and Urban, Land Use and Environmental law). The course is also intended to facilitate research for the student's legal research and writing requirement. the course will refresh and refine research skills, help students to think systemically about legal research, and familiarize students with applicable resources. As the final project, students will have the opportunity to develop an in-depth research "path finder" or guide for an approved topic of their own choosing.

1 hr

LAW 8707 C **ADVANCED LEGAL WRITING: LITIGATION DRAFTING**

Preparation of litigation documents and pleadings, including complaint or petition; cross-claim, counterclaim or third-party petition; answer; discovery documents such as a set of interrogatories or requests to admit; dispositive motions; and settlement agreements. Prerequisites: Civil Procedure I & II.

2-3 hrs

LAW 8707 A **ADVANCED LEGAL WRITING: PRACTICAL SKILLS DEVELOPMENT**

Preparation of students for writing problems commonly encountered in the first two years of law practice: jury instructions, general correspondence, opinion letters, simple contracts, litigation motions and pleadings including a complaint, answer and some discovery documents. Individual feedback provided. Prerequisites: None.

2-3 hrs

LAW 8707 E **ADVANCED LEGAL WRITING: SCHOLARLY WRITING**

Preparation of students for scholarly writing including independent study, law review, and seminar papers. Focus will be on topic identification and refinement; developing a thesis; research strategies including reiterative and mediated searching, systemic evaluation of resources, problem typing and solving, and resources for specific topics in the law; proper attribution and use of authority; developing a working draft; and creating a balanced, thorough, and carefully reasoned and supported analysis.

1 hr

LAW 8732 **ALTERNATIVE DISPUTE RESOLUTION**

An overview of the emerging trend towards alternative forms of dispute resolution and some reasons for it, methods of dispute settlement, such as negotiation, mediation, arbitration and adjudication, the roles lawyers play in these various modes, problems and possibilities of non-adversarial methods of resolving conflict, particularly mediation.

2-3 hrs

LAW 8730 **AMERICAN LEGAL HISTORY**

The development of American law from the colonial period to the present, including the formation of the Constitution and its subsequent interpretations, the evolution of common law categories, and the development of the legal profession and legal education, as well as the movements in American legal theory. Paper required.

2-3 hrs

LAW 8665 A **ANIMAL LAW**

This course will begin with a brief overview of the philosophical and cultural issues underlying human/animal relationships, including basic theories of the legal systems's responses to social change. Legal issues relating to food animals, companion animals, laboratory animals, wild animals, and performing animals will be examined with reference to: (1) federal statues (Animal Welfare Act, Endangered Species Act, Marine Mammal Protection Act, Wild Horses and Burros Act, Animal Damage Control Act, National Wildlife Refuge System Administration Act, Refuge Recreation Act, National Environment Police Act, and Humane Slaughter Act); (2) state statues (anti-cruelty, wills and trusts, hunting, racing and fighting statues); (3) local animal control regulations; and (4) extensive common law (standing, rights, free exercise of religion, property, landlord-tenant disputes, torts, marital dissolution and custody, and bailment).

2 hrs

LAW 8605 ANTITRUST AND COMPETITION LAW

This course studies how antitrust laws work to create an environment in which free and open competition thrives. Course examines how antitrust laws seek to prevent unreasonable horizontal (competitors) and vertical (supply chain) restraints that harm consumers and to deal with markets where one competitor has attained monopoly power, conduct that is specifically exempted from antitrust regulation, who is entitled to seek redress for antitrust violations, and particular issues unique to antitrust litigation.

2-3 hrs

LAW 8747 APPELLATE ADVOCACY II

Preparation of memorandum (points relied on and summary of argument); presentation of two arguments before practicing attorneys. Ungraded.

1 hr

LAW 8748 APPELLATE ADVOCACY III

Ellison Moot Court Competition; preparation of an appellate brief and presentation of two oral arguments before federal and state judges. Open to the 16 finalists from Appellate Advocacy II. Ungraded.

2 hrs

LAW 8775 APPELLATE ADVOCACY IV

Participation on National Moot Court competition team. Ungraded.

1-2 hrs

LAW 8850 APPLIED EVIDENCE

Problems and simulations in evidence; application of the rules of evidence in many of the following topic areas: objections to the form of the question; hearsay; lay and expert opinion; authentication, the introduction of real and demonstrative evidence, rules of relevance, cross-examination and impeachment.

1-3 hrs

LAW 8636 A APPLIED FEDERAL CRIMINAL LAW & EVIDENCE

A practical skills course involving consideration and application of the rules of criminal procedure and evidence to a criminal case in federal court, including, but not limited to rules dealing with charging documents; bond & detention; discovery; suppression motions; plea bargains, pleas and sentencing; pretrial preparation; voire dire; evidentiary foundations; opinion testimony; character and related evidence. The course will also involve the drafting of documents.

2-3 hrs

LAW 8714 R ASSISTED REPRODUCTION SEMINAR

An in-depth examination of assisted reproduction from a legal perspective. The course will include interdisciplinary study of the development of reproductive technologies and the implications for law and regulation. The course will attempt to situate the legal discussion within the context of the changing science and the nature of the industry. Discussion will therefore consider the international development of the industry, the importance of determination of parenthood to its viability, potential exploitation of vulnerable patients, and the impact on the resulting children,. Course topics will include consideration of the constitutional, family law and regulatory frameworks, posthumous reproduction, embryonic stem cell a research and human cloning.

2-3 hrs

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2-3 hrs

LAW 8877 BANKRUPTCY COURT CLERKSHIP

The United States Bankruptcy Courts have jurisdiction over claims arising under federal bankruptcy law. Cases in these courts present issues arising not only under the Bankruptcy Code, but also in many other areas, such as secured transactions, contract law, labor law, and tax law. Student interns will, among other duties, observe court proceedings, assist in writing legal memoranda, and draft opinions. Enrollment in the Bankruptcy Court Clerkship Program is limited to students who have completed both Secured Transactions and Debtors & Creditor's Rights. Students work at least 70 hours at the court; and attend monthly conferences with the professor in charge of the program's over site.

2 hrs

LAW 8746 B BRIDGING THE RESEARCH GAP: FROM CLASSROOM TO PRACTICE

Research training,including firsthand observation at a courthouse of how a case moves through the legal system and hands-on use of print and electronic research tools for problem solving and analysis of results to help students make the transition from doing legal research for the classroom to the practice setting. Students will use Lexis' Total Litigator package of resources; Westlaw sources for transactional research; sources for legislative history, administrative law and secondary sources;and learn to develop research strategies and how to analyze the results for each.

1 hr

LAW 8783 B BUFFALO NATIONAL RIVER: ISSUES IN NATIONAL PARK LAW & MANAGEMENT

Specialized study of topics in natural resources law as it relates to the Buffalo National River in northern Arkansas. Students will explore the history of the Buffalo River; the state and federal laws in operation governing the park (e.g., the wild and scenic rivers act, the endangered species act, national historic preservation, etc.); and planning and management issues presented by the multiple uses of the area and its surroundings.

1 hr

LAW 8601 BUSINESS ORGANIZATIONS

Partnership, limited liability company and corporation law; choice of business forms, formation of partnerships, limited liability companies and corporations; rights, duties, and powers of partners, members, shareholders, directors, and officers; closely held corporations; proxy regulation; derivative suites; dividends and stock redemptions; introduction to the Securities Act of 1933 and Securities Exchange Act of 1934.

4 hrs

LAW 8757 BUSINESS PLANNING

Problem-method study of choice of entity and various other legal issues and planning challenges in forming a closely held business entity and in private and public financing of an existing enterprise. The course includes practical training from drafting organizational documents to conducting simulated client interviews and providing written advice concerning hypothetical transaction. Limited enrollment.

2-3 hrs

LAW 8797 BUSINESS TORTS AND UNFAIR COMPETITION

The common law applicable to relations between businesses that compete against each other or that cooperate with each other in the production and distribution of the same product. Tort, contract and property law principles as remedies not available in parallel statutory schemes, such as the antitrust or patent laws. Statutes that codify the common law or create statutory procedures or remedies for common law rights. (Consent of the instructor required for students who have taken Copyright, Patent and Trademark Law).

2-3 hrs

LAW 8713 C CAPITAL PUNISHMENT IN THE MODERN WORLD: CONSTITUTIONAL & HUMAN RIGHTS PERSPECTIVES

A consideration of problems and issues in the death penalty, including the following topics: the historical and constitutional perspectives on the death penalty; the practical application of the death penalty in the United States; capital punishment and human dignity; and the future of capital punishment

1 hr

LAW 8752 S CHILD & FAMILY SERVICES CLINIC

Students represent the Missouri Department of Family Services in representing children in foster care or otherwise under the authority of the Department. Students work under the supervision and direction of clinic faculty and faculty directors, receiving classroom instruction in the substantive law and procedure governing juvenile court actions. Students must be Rule 13 eligible. Pass/Fail.

2-3 hrs

LAW 8733 CHILDREN IN THE LAW

The ways in which the legal system treats children differently from adults and the justifications for such treatment, who should make decisions for the child, decisional authority that should be granted to parents, children and the state in various contexts (e.g., abuse and neglect, health care for the child, foster care, adoption and education).

2-3 hrs

LAW 8738 R CHINESE LAW

A summer abroad program in Chinese law taught at the University of Peking, Peoples Republic of China by Chinese Professors. Subjects include such topics as: Cultural History and Political Systems of China, Organization of the Chinese Legal System, Chinese Contract Law, Civil Law, Trial Practice & Rules of Evidence, Criminal Law & Procedure, Family Law, Human Rights Issues, Business Organizations, Taxation, Intellectual Property Law, Banking and Finance, Real Estate Law, Investment Law & Practice in China, and Alternative Dispute Resolution.

4.5 hrs

LAW 8521 CIVIL PROCEDURE I

Pleading; joinder of parties and claims; pre-trial motions; discovery; summary judgment; pre-trial and trial procedure; post trial motions.

3 hrs

LAW 8522 CIVIL PROCEDURE II

Court systems; personal jurisdiction and venue; federal jurisdiction; choice of law; preclusion; appellate procedure

2-3 hrs

LAW 8791 CIVIL RIGHTS

Elements of a Section 1983 case, enforceable rights and available defenses; procedural aspects of civil rights cases; suits against federal and state governments. Prerequisites: Constitutional Law I.

2-3 hrs

LAW 8721 COMMERCIAL TRANSACTIONS

Law of negotiable instruments; bank collections; Articles 3 and 4 of the Uniform Commercial Code; electronic funds transfers.

3 hrs

LAW 8860 COMMUNICATIONS LAW

The First Amendment as it relates to the mass media; media access to sources of information; conflict between the right of a defendant to a fair trial and the rights of the media; governmental restraints on the publication of information; individual's right to recover for publication of false information or embarrassing facts; differential treatment of broadcast and print media; First Amendment limitations on the FCC's regulation of broadcasting in such areas as licensing, discussion of controversial issues, and advertising.

2-3 hrs

LAW 8743 H COMPARATIVE HEALTH LAW

An examination of how the legal systems of several other nations address particular aspects of health law. Specifically, the focus of this course is on patent rights with respect to the health care they receive. This will include,I for example, consideration of patient rights when the care received has caused injury due to professional negligence. If time permits, it will also look at how other legal systems address the controversial issues surrounding the "right to die" as well as assisted suicide and euthanasia.

1 hr

LAW 8743 COMPARATIVE LAW

Historical and analytical study of the substantive and procedural nature of foreign systems, focusing on a comparison of the civil and common law traditions.

2-3 hrs

LAW 8706 COMPLEX LITIGATION

As related to litigation of complex cases, study of special issues of party joinder and intervention, class action requirements and limitations, discovery, case management, and estoppel by verdict or judgment. Prerequisites: Civil Procedure I and II.

2-3 hrs

LAW 8702 CONFLICT OF LAWS

Domicile; jurisdiction and limitations on the exercise of jurisdiction; judgments; full faith and credit; choice of law; conflicts problems in federal and international settings; conflicts problems in selected areas. Prerequisite: Civil Procedure.

2-3 hrs

LAW 8631 CONSTITUTIONAL LAW I - THE SUPREME COURT AND THE BILL OF RIGHTS

The origin and nature of judicial review, substantive due process in regard to regulation of economic affairs, retroactive legislation, inviolability of the person, freedom of expression and assembly, freedom of religion, equal protection of the laws, the electoral process, nationality and citizenship.

3 hrs

LAW 8632 CONSTITUTIONAL LAW II - POWERS OF GOVERNMENT

State and Federal constitutions; separation of powers; executive powers, legislative powers; the federal system; powers of Congress, residual powers of the states; relations between the States including extradition and interstate commerce.

2-3 hrs

LAW 8898 CONSTRUCTION LAW

The Construction Law course would emphasize state and federal construction law and would provide the students with practical experience in drafting contracts, negotiating disputes, and conducting a mock arbitration. The course would cover the contract responsibilities and remedies of contractors, subcontractors, design professionals, sureties and owners, including the United States Government. The course would emphasize the controlling state and federal statutes and regulations, as well as case law which illustrates the application of the statutes and other areas of law not covered by statute. The classroom sessions will include discussion of the practical aspects of legal practice in the construction industry, with instruction and examples regarding the drafting of documents and contracts, negotiation of disputes, and decision-making regarding the type of dispute resolution forum to recommend to a client.

2 hrs

LAW 8880 CONSUMER BANKRUPTCY

Comprehensive analysis of the options available to consumer debtors under chapters 7 and 13 of the Bankruptcy Code. While the primary focus will be on the debtor's options, creditor strategies will also be considered. Recommended: DebtorCreditor Rights.

2 hrs

LAW 8858 CONSUMER PROTECTION

Protection of consumers from false advertising, unfair sales practices, and consumer credit and debt collection abuse. Topics which may be covered are Truth-in-Lending Act, Uniform Consumer Credit Code, Fair Debt Collection Practices Act; Interstate Land Sales Disclosure Act, Federal Trade Commission and Missouri Attorney General activity, Missouri consumer credit legislation, consumer warranties, consumer class actions, abusive collection practices.

2-3 hrs

LAW 8501 CONTRACTS I

Formation and performance of simple contracts; consideration; express and constructive conditions, excuse of conditions; remedies for breach; contracts for benefit of third parties; assignment; impossibility of performance and discharge.

3 hrs

LAW 8502 CONTRACTS II

Continuation of LAW 8501.

3 hrs

LAW 8798 COPYRIGHT LAW

Protection extended to works of authorship including literacy works, computer programs, works of applied art, sound recordings, photographs, etc. under U.S. copyright law. How protection for works is achieved, the nature of rights protected, transfer of rights, and infringement actions. Related common law rights that may exist under doctrines such as implied contract, unfair competition, right of privacy, and right of publicity. (Consent of the instructor is required for students who have taken Copyright, Patent, and Trademark Law).

2-3 hrs

LAW 8886 CORPORATE TAXATION I

Tax treatment of corporations and shareholders with respect to formation, non-liquidating distributions, stock dividends, redemptions and liquidations. The course will also cover the personal holding company tax, the accumulated earnings tax, collapsible corporations, multiple corporations and an overview of S corporations.

2-3 hrs

LAW 8887 CORPORATE TAXATION II

Tax consequences of corporate reorganizations; survival of tax attributes; acquisition of loss corporations; and a survey of consolidated return reporting. Prerequisite: Corporate Taxation or Instructor's permission.

3 hrs

LAW 8662 COURT CLERKSHIP

Second or third-year students with a GPA of at least 3.0 serve in a clerkship with a judge or magistrate of the U.S. District Court for the Western District of Missouri, or the U.S. Court of Appeals for the Eighth Circuit. Students work at least 70 hours at the court, and attend review conferences over the course of the semester. Ungraded. Pass/Fail.

2 hrs

LAW 8634 CRIMINAL LAW

Introduction to substantive criminal law, its role and purpose in our society; principles of liability, common law and statutory offenses; defenses; punishment.

3 hrs

LAW 8635 CRIMINAL PROCEDURE I

Introduction to the administration of criminal justice; constitutional rights of the accused; due process; privilege against self-incrimination; right to counsel; arrest, search, and seizure; wire-tapping; police interrogation and confessions; pre-trial identification procedures.

3 hrs

LAW 8636 CRIMINAL PROCEDURE II

Continuation of the study of the administration of criminal justice; exclusionary rules; bail; prosecutor's discretion; grand jury; preliminary hearing; jurisdiction, venue; joinder and severance of offenses and defendants; right to speedy trial; pleas of guilty; discovery; trial by jury; publicity; double jeopardy.

2-3 hrs

LAW 8635 R CRIMINAL SENTENCING: LAW PRACTICE & PROCEDURE

Study of sentencing issues and practice, including theories of crime and punishment, jurisdictional and constitutional issues, sentencing systems, sentence types and alternatives, and procedural issues; in-depth analysis of sentencing guidelines.

2-3 hrs

LAW 8820 CRIMINAL TRIAL TECHNIQUES

Strategy and tactics in handling a criminal case; effective representation of the accused at various stages of the criminal process; securing pre-trial release; plea bargaining; motion practice; discovery; voir dire; opening and closing statements; examination of witnesses; use of the expert; sentencing; appeal; collateral attack.

2 hrs

LAW 8716 CYBERLAW AND THE INFOSPHERE

Survey of the areas of the law with existing or potential application to computers (such as contract law, intellectual property law, criminal law, tort law and constitutional law) highlighting the legal issues involved in the areas studied.

2-3 hrs

LAW 8713 DEATH PENALTY CLINIC

The post-conviction process of collateral review in death penalty cases; training in legal representation of the postconviction petitioner. Pre-or Co-requisite: Problems and Issues in the Death Penalty.

1-2 hrs

LAW 8736 DEBTOR-CREDITOR RIGHTS

Creditors' remedies and debtors' rights; provisional remedies; secured transactions (Article 9 of the Uniform Commercial Code); liens and exemptions; overview of bankruptcy law.

2-3 hrs

LAW 8513 DEFAMATION, PRIVACY, RELATIONAL & EMOTIONAL TORTS

A focus on word torts, emotional injuries, and torts stemming from relational duties of care. Defamation topics covered will include private and public official and public figure plaintiffs, as well as tactical aspects of defamation actions and privileges. Privacy torts explored will be false light, public disclosure of private facts, intrusion and seclusion, and appropriation of name or likeness. The majority of the course will involve coverage of special or limited duties of care arising from contractual or professional relationships (such as medical and legal malpractice), landowner liability, sexual harassment in employment, familial and governmental immunities, prenatal injuries, negligent infliction of emotional distress, as well as theories of vicarious liability for the torts of others.

2-3 hrs

LAW 8845 DEFERRED COMPENSATION

Problem-method study of deferred compensation arrangements; qualified pension and profit sharing plans; individual retirement accounts; qualified stock option plans; other methods of deferred compensation.

2-3 hrs

LAW 8768 R DEPARTMENT OF LABOR CLINIC

Students work with the solicitor's Office of the United States Department of Labor assisting attorneys enforcing federal labor statues, including the Fair Labor Standards Act, OSHA, ERISA, and the Davis-Bacon Act. Under the supervision of the Deputy Regional Solicitor, students perform legal research relating to enforcement actions, draft discovery requests review documents, participate in client and staff conferences, and assist in the investigation of violations. Clinic participants maintain a log of their activities and have bi-weekly conferences with the faculty supervisor to review and evaluate their clinic experiences and research work product.

2-3 hrs

LAW 8815 R DISABILITIES AND THE LAW

An interdisciplinary study of the law relating to disabled persons in the areas of employment, education, and access to transportation, health, welfare and social services to provide an understanding of how the law affects individuals with disabilities and public and private entities. Legislation considered include the American with Disabilities Act, Section 504 of the Rehabilitation Act of 1973, the individuals with Disabilities Education Act, the Family and Medical leave Act, the Fair Housing Act, the Voting Accessibility for the Elderly and Handicapped Act, and the Title VII of the Civil Rights Act of 1964. The enrollment of graduate students from other disciplines, such as education, business, and health sciences is encouraged to allow for interdisciplinary discussion of the topics involved.

2-3 hrs

LAW 8601 R DOING BUSINESS IN IRELAND

A comparative study of the business entity laws of the United States and the Republic of Ireland. In addition, the course will examine the competition laws of the United States and the European Union and corporate taxation of multinational companies operating in the Republic of Ireland.

1-5 hrs

LAW 8796 ECONOMICS AND THE LAW

Tools of economic analysis which have particular application in the law; equity and efficiency are weighed in regulation, pollution, discrimination, monopoly, financial markets, human resources and government expenditure and taxation policy. Principles will be introduced and expanded upon using both lecture and case study techniques.

2-3 hrs

LAW 8870 R EDUCATION LAW: GOVERNMENT & LEGAL ASPECTS OF EDUCATION

This course is designed to give students an introduction to the major legal doctrines that affect K-12 schools, as well as the policies that underlie or are changing those doctrines. Students should gain a working understanding of the impact of federal and state law on the operation of schools, the rights and responsibilities of teachers and administrators, and the rights of the students who attend those schools.

2-3 hrs

LAW 8733 E ELDER LAW

A course providing a basic foundation for legal practice with older persons, including the following substantive topics: The Older Americans Act,the delivery of legal services to the elderly,ethical considerations,consumer protection, discrimination,Social Security and Supplementary Security Income, Medicare, Medicaid, capacity issues, guardianship and alternatives to guardianship,elder abuse and neglect,adult protective services,nursing homes,long term care,housing, healthcare decisions, end-of-life decisions,estate planning and grand parents' rights.

2 hrs

LAW 8617 R ELDER LAW FOR ESTATE PLANNERS

An examination of the legal tools available for the elderly client for decision-making, both health care and financial, in the event of incapacity, and asset preservation, including Medicare and Medicaid qualification. The course will cover the use of trust; durable powers of attorney, and advance directives for health care and living wills and the relationship to court guardianship.

1 hr

LAW 8813 EMPLOYMENT DISCRIMINATION LAW

Substantive and procedural aspects of Equal Employment Opportunity Act and related matters.

2 hrs

LAW 8814 R EMPLOYMENT LAW

Survey of legal doctrines regulating the employment relationship, including the regulation of wages, hours and benefits; privacy in the workplace; workers' compensation; suits for unjust dismissal; drug and polygraph testing; and sexual harassment. May be offered as a seminar.

2-3 hrs

LAW 8890 R ENTERTAINMENT LAW

An examination of the legal issues affection the print and broadcast media. Topics covered may include copyright, antitrust, spectrum allocation, right of privacy, first amendment issues (prior restraint, obscenity, commercial speech, defamation and access to both information and judicial proceedings), licensing and new technologies including and beyond cable television.

2-3 hrs

LAW 8757 R ENTREPRENEURIAL LAW & PRACTICE CLINIC

Under faculty supervision, students will counsel start-up companies and their owners and implement business planning advice by drafting articles of incorporation and organization, by-laws, partnership agreements and other business contracts. Other business-related matters ranging from regulatory, consumer, licensing, and taxation requirements; copyrights, trademark, and patent creation; and 501(C)(3) applications for non-profits may also be covered in this course. Clinic students will also receive classroom instruction in the areas of client counseling and business planning and drafting of business documents. Prerequisites: Business Organizations, Commercial Transactions, Professional Responsibility (or concurrent enrollment). Missouri Supreme Court Rule 13 certification required for in-court representation.

2-3 hrs

LAW 8638 R ENTREPRENEURIAL LAWYERING: SOLO AND SMALL FIRM PRACTICE

Course will focus on law practice management for solo and small firms. Topics include organizational structure, firm management, fee setting and allocation, and effective and ethical marketing. Course includes attendance at the Missouri Bar Solo and Small Firm Conference.

2-3 hrs

LAW 8757 N ENTREPRENEURSHIP & NEW VENTURE CREATION

Jointly-taught by Law School and Bloch (Business) School faculty, this interdisciplinary course provides education in entrepreneurship to a combined class of students from law, business, engineering and perhaps other graduate-level disciplines. Using a combination of readings lectures, electronic blackboard discussions, team business planning projects and presentations, and individual presentations on selected topics, the Course is designed, from a law student's perspective, to both (1) familiarize the student with substantive knowledge of issues from multiple disciplines involved in creating a new venture to commercialize technology and (2) train law students in techniques designed to effectively communicate and resolve legal issues inherent in such projects in a collaborative manner with clients and their advisors from other disciplines.

3 hrs

LAW 8773 T ENVIRONMENTAL & TOXIC TORTS

An advanced torts course about compensation for damages caused by toxic contamination. It will address advanced theories of nuisance, trespass, negligence and strict liability. Particular emphasis will be given to proof and causation problems, and to novel and evolving legal theories for recovery. The course will also consider the problems posed by multiple parties, vicarious liability, and the interaction between common law and statutory remedies. The content will be tailored to supplement the environmental law curriculum. Offered: Winter Semester 2001

2-3 hrs

LAW 8773 ENVIRONMENTAL LAW

This course covers law developed to control pollution and to protect our country's physical environment. The course provides introductions to ecological theories and to early common law efforts to protect the environment. But the course mainly focuses on current environmental statues (for instance, the Superfund Act, the Resourse Conservation and Recovery Act, the Clean Air Act, and the Clean Water Act) and on current federal constitutional issues involving the environment. (Priorities in this mix may vary from year to year, depending on current events and related course offerings). Enforcement policies, citizen activism the needs of private industry, and the administrative process are also considered. No prerequisites.

2-3 hrs

LAW 8773 R ENVIRONMENTAL LAW CLINIC

Student(s) perform clinic activities at the United States Army Environmental Office, including performing legal research, writing position papers, attending state and federal regulatory hearings, participating in planning conferences and assisting with litigation. Students are supervised by the Central Regional Environmental Chief Coordinating Attorney and attend regular conferences with a faculty supervisor who reviews copies of all clinic written work that may be so reviewed under the United States Army Environmental Office rules. Prerequisites; Environmental Law or Administrative Law. Ungraded. Pass/Fail.

2-3 hrs

LAW 8782 ENVIRONMENTAL LAW SEMINAR

This course provides the theoretically inclined student the opportunity to address broad issues of public policy and resourse allocation in more depth than the basic environmental survey course allows. The seminar will also invole case studies and class problems to give the course real-world context. The seminar will typically focus on one particular ecological issue, such as environmental justice, sustainable development, or ecology as jurisprudence. No Prerequisites, but Environmental Law is helpful. Fulfills the "J" requirement.

2-3 hrs

LAW 8614 ESTATE PLANNING AND DRAFTING

Continuation of Estates & Trusts I using problems and cases as a basis for class discussion. Working in teams, students engage in the planning of estates for actual clients, proceeding through the entire process and culminating in the execution of wills, trusts or other appropriate instruments. Course is not open to students who have taken Estate Planning. Prerequisite: Estates & Trusts I.

3-4 hrs

LAW 8615 ESTATE PLANNING AND PRACTICE

Tax-oriented examination of contemporary estate planning problems for the larger estates, with emphasis on issues of direct concern to practitioners. This course is designed for LL.M. students. Others may take the course with permission of the Associate Dean.

3-4 hrs

LAW 8615 R ESTATE PLANNING FOR CHARITABLE GIVING

Survey of federal income tax and transfer tax laws governing gifts to charitable organizations, charitable remainder trusts and charitable lead trusts; procedural requirements to assure deductibility; and planning and drafting considerations.

1 hr

LAW 8614 R ESTATE PLANNING FOR RETIREMENT PLAN BENEFITS

The income, gift, estate and generation-skipping transfer tax consequences and rules related to the ownership, distribution and withdrawal of retirement plan benefits, including minimum required distributions, designating beneficiaries, spousal rights and rollover options

1 hr

LAW 8611 ESTATES AND TRUSTS

Intestate succession; testamentary dispositions; execution, modification, and revocation of wills; will contests; advancements, ademption, and exoneration; family allowances; rights of estate creditors; express, implied, resulting, and constructive trusts; basic tax aspects of estates and trusts; rule against perpetuities; will substitutes.

3-4 hrs

LAW 8609 ETHICAL ISSUES IN FAMILY LAW REPRESENTATION

Advanced study of the ethical obligations of public and private attorneys in estate, family, and juvenile law representation. Topics may include identification of the client, ethical and legal obligations of confidentiality and disclosure, competence and client communication, respect for third persons (particularly obligations toward children of clients) and other related subjects. Paper and presentation required. Pre-requisite: Professional Responsibility. Pre or co-requisites: Estates and Trust and Family Law. Limited Enrollment.

1-2 hrs

LAW 8621 EVIDENCE

General principles relating to proof of facts in civil and criminal trials; presumptions; order of proof; relevancy; judicial notice; real and demonstrative evidence; authentication; best evidence rule; hearsay; competency; impeachment; rehabilitation.

3 hrs

LAW 8662 F FAMILY COURT CLERKSHIP

Second or third-year students will serve as law clerks to judges and commissioners in the family court of Jackson County. Students work at least 80 hours at the court and attend review conferences over the course of the semester. Pass/Fail.

2-3 hrs

LAW 8751 FAMILY LAW

Pre-marital contracts; marriage; annulment; paternity; parent and child; divorce; alimony; division of property; separation agreements; adoption.

2-3 hrs

LAW 8751 F FAMILY LAW & FILM

An exploration of the function of family law and lawyers in society by examining legal decisions, statutes and legal commentaries in the context of films, including classic, contemporary mainstream, foreign, documentary and independent films. The seminar entails participants viewing a film followed by discussion. During the discussion session students will critique the film in light of assigned reading materials. Using films as analytical tools, the seminar examines the ways in which pop culture products (such as film and television) both reflect and change the social views about family law and lawyers. A pass/fail course.

1 hr

LAW 8752 R FAMILY LAW PRACTICE

A practical skills course in family law in which students participate in all phases of family law practice, including the initial client interview; the drafting of questionnaires, pleadings, motions custody and discovery plans, support and maintenance proposals, orders and other documents; negotiation, and preparation for litigation. Students work in teams and perform exercises which simulate "real world" situations. Prerequisite: Family Law.

2 hrs

LAW 8751 S FAMILY VIOLENCE

An in-depth examination of family violence from a legal perspective. Course topics will include interdisciplinary study of the dynamics and psychology of family violence, of historical and social policies, specialized problems of family violence (including intimated partner violence, child abuse and neglect, gay and lesbian battering, and elder abuse) and legal responses. Students will receive practical training in safety planning, intake, review of community resources, case logistics, and advocacy for temporary orders.

2-3 hrs

LAW 8757 F FANCHISING LAW

A consideration of the origins of franchising, compliance standards, franchise relationships, dispute resolution mechanisms and enforceability problems, including State and federal disclosure requirements applicable to the offer of franchises; State laws governing relationship issues between franchisor and franchisee; a review of forms of franchise agreement; and the negotiation of effect and enforceability of standard provisions. The course will emphasize, among other things, the claims of both franchisor and franchisee regarding issues typically litigated under franchise agreements, including rights to terminate the agreements, and available remedies for breach or wrongful termination.

2-3 hrs

LAW 8637 FEDERAL CRIMINAL LAW

Jurisdiction and responsibilities of federal law enforcement agencies, bases for federal criminal jurisdiction and federal/ state relationships in the enforcement of criminal statutes. Specific federal criminal statutes, case law and policy considerations are studied in the following areas: Racketeer Influenced and Corrupt Organizations (RICO); schemes to defraud (mail, wire, securities and bank fraud); drug offenses; tax prosecutions; currency reporting and transaction offenses; fraud against and false statements to federal agencies.

2 hrs

LAW 8843 FEDERAL INCOME TAXATION OF ESTATES AND TRUSTS

Income tax problems of the fiduciary; grantor's trusts; income, estate, and gift tax problems relating to optional or discretionary acts of the fiduciary in retention and/or distribution of income or corpus.

2 hrs

LAW 8765 FEDERAL JURISDICTION

Federal court system and jurisdiction of the federal courts; diversity of citizenship; removal of cases from state to federal courts; conflicts between state and federal judicial systems; original and appellate jurisdiction of the Supreme Court. Prerequisite: Civil Procedure.

2-3 hrs

LAW 8656 F FEDERAL PUBLIC DEFENDER EXTERNSHIP CLINIC

Up to three students will be assigned to work in the Federal Public Defender's Office. Under the supervision of the Federal Public Defender, a student will prepare pleadings and represent federal ndigent criminal defendants. Students will be expected to perform legal research, to write memoranda, motions and briefs, to observe and to appropriately participate in trials,pre-trial hearings, motion hearings and, in general, to assist in litigation. Students must meet eligibility requirements and be certified in compliance with the Local Federal Rules of Court. Student will work a pre-approved schedule totaling 6 hours a week for 14 weeks with a minimum of 80 hours a semester for two academic credit hours and to attend regular conference with their Supervising Attorney and with their Faculty Supervisor. Students must have completed three semesters of law school and must be in the upper half of their class. Ungraded. Pass/Fail.

2-3 hrs

LAW 8656 R FEDERAL PUBLIC DEFENDER EXTERNSHIP CLINIC

Up to three students will be assigned to work in the Federal Public Defender's Office. Under the supervison of the Federal Public Defender, a student will prepare pleadings and represent federal indigent criminal defendants. Students will be expected to perform legal research, to write memoranda, motions and briefs, to observe and to appropriately participate in trials, pre-trial hearings, motion hearings and, in general, to assist in litigation. Students must meet eligibility requirements and be certified in compliance with Local Federal Rules of Court. Student will work a pre-approved schedule totaling six hours a week for 14 weeks with a minimum of 80 hours a semester for two academic credit hours and to attend regular conferences with their Supervising Attorney and with their Faculty Supervisor. Students must have completed three semester of law school and must be in the upper half of their class. Ungraded. Pass/Fail.

2-3 hrs

LAW 8552 FEDERAL TAXATION

Theory, history, and principles of federal income taxation; basic concepts of income, classification of income and deductions.

3 hrs

LAW 8633 FIRST AMENDMENT LAW

Basic themes and advanced problems relating to the law of the First Amendment to the United States Constitution, including exploration of the values behind the protection, subversive advocacy, regulation of speech in the public forum, access to the media, regulation of the press, symbolic expression, libel, obscenity, commercial speech, picketing, right of association, loyalty oaths, legislative investigations and government demands for information, separation of church and state, free exercise of religion, state aid to the religious schools, regulation of religion-based conduct.

2-3 hrs

LAW 8764 D FOOD, DRUG & BIOTECHNOLOGY LAW

This course will focus primarily upon the regulation of food, drugs and the products of biotechnology, such as biologic drugs and genetically modified plants and animals. Much of the course will pertain to FDA law, but will also consider the roles of other regulatory agencies such as the EPA and USDA, and the interaction of state and federal law. This area of the law provides an interesting vehicle for exploring the adoption of interpretation of statutory law, the notice and comment rule-making process, administrative law and judicial review of administrative decisions, and the interplay of science, policy and the law.

2-3 hrs

LAW 8714 GENDER AND JUSTICE

Students will examine and discuss legal issues of special importance to women. Topics will include (among others) sexual discrimination, sexual harassment, domestic violence, reproductive autonomy, and pornography. The course seeks to present each topic in its social context by supplementing legal readings with materials drawn from the social sciences, literature, and film. Paper required. Enrollment limited to fifteen students. Recommended: Constitutional Law I.

2-3 hrs

LAW 8752 G GUARDIAN AD LITEM WORKSHOP

Advanced study of guardian ad litem practice. (GAL). Topics may include adult and child orders of protection, requirements for guardian ad litem appointments, role of the GAL, ethical considerations, working with social workers and other professionals, and best practices in investigation, recommendation, and representation. Students will partner with volunteer attorneys to act as guardians ad litem in order of protection cases. Prerequisites: Rule 13 eligible. Limited Enrollment, Instructor approval required.

1-2 hrs

LAW 8743 E HUMANITY, EMOTION & THE LAW

A consideration of how human emotions (including pride, loyalty, stubbornness, anger, passion, ethno-centrism, irrationality, compassion, jealousy and love) influence the creation of rules of law, responses to those rules and how they are perceived, handled, adjudicated and enforced.

1 hr

LAW 8738 IMMIGRATION LAW AND PROCESS

Admission, exclusion, deportation, and naturalization of aliens; structure and powers of relevant federal agencies; categories of immigrant and non-immigrant visas and visa application procedures; asylum, extradition, and refugee status; rights of aliens; public policy issues and proposals for reform; practical problems in immigration.

2-3 hrs

LAW 8738 P IMMIGRATION LAW AND POLICY

A focus on the historical development of immigration law in the United States and fundamental questions of immigration policy. Immigration bills in Congress have been the subject of heated debate,particularly in recent years. This course provides a historical,statutory,and theoretical background for evaluating such proposals. Students will evaluate proposed federal and state legislation across the country and immigration reforms in foreign countries. Particular emphasis will be placed on post-9/11 reforms and the relationship between immigration law and the war on terrorism. The subject matter is useful for the student who intends to practice immigration law,as well as for the non-specialist interested in Immigration law as a policy matter

2-3 hrs

LAW 8746 R INDEPENDENT STUDY

Independent study, including research and writing projects, under faculty supervision.

0.5-3 hrs

LAW 8760 INSURANCE

Life, fire, accident, and liability insurance; nature of insurance; nature of insurance contract; special rules of construction; standard policy provisions; regulation of insurance industry.

2 hrs

LAW 8808 INTELLECTUAL PROPERTY LAW

Substantive and procedural law of intellectual property. Coverage includes copyrights and patents and other areas at the option of the instructor.

2-3 hrs

LAW 8751 P INTERDISCIPLINARY PERSPECTIVES ON WOMEN & VIOLENCE

Jointly-taught by Law School, Medical School, Nursing School and Graduate School of Social Work faculty, this interdisciplinary approaches to problems of violence and women, such as domestic violence, sexual assault, child abuse, women as perpetrators of violence, and others. Using a combination of readings, simulations, skills trainings, team preparations and presentations of case studies and individual reflective papers, the Course is designed to engage professional students in understanding each discipline's approach to describing the problem, interacting with patients/clients in identifying the problem and sharing perspectives on developing plans to prevent and address the problem with and on behalf of these patients/clients. Through interactive exercises the students from each discipline will learn to effectively collaborate with other professionals to provide coordinated responses to issues of violence.

1 hr

LAW 8754 INTERNATIONAL BUSINESS TRANSACTIONS

Legal problems encountered in international business; jurisdiction and choice of law; enforcement of judgments; methods of protecting foreign investments; extra-territorial application of United States regulations, e.g. anti-trust law.

2-3 hrs

LAW 8831 R INTERNATIONAL HUMAN RIGHTS LAW

Study of the law protecting individuals and groups against govermental violations of internationally guaranteed rights; historical antecedents and theoretical underpinnings; human rights in national law (the United States); post World War II developments; principal international human rights instruments; regional human rights arrangements; human rights of women, refugees, ethnic minorities; implementation of rights; international obligations of the United States; selected civil, political, ecomomic and social rights.

1-3 hrs

LAW 8753 INTERNATIONAL LAW

Survey of international legal studies; nature and role of international law, its effectiveness in dealing with international problems and its application in domestic jurisdictions.

2-3 hrs

LAW 8889 INTERNATIONAL TAXATION

An introduction to the taxation of income of U.S. citizens, residents and corporations from foreign sources and the income of foreign residents and non-residents from U.S. sources. Topics may include sources of income rules, foreign tax credit provisions, the earned income exclusion for foreign source income, income tax treaties and a survey of the tax treatment of U.S. investments made offshore.

2-3 hrs

LAW 8746 I INTERNSHIP

0 hrs

LAW 8531 I INTRODUCTION TO LAW & LAWYERING PROCESSES INTERNATIONAL

Introduction to legal reasoning; case analysis and synthesis; case research; structure and style in legal writing with emphasis on expository writing, including office memoranda.

1-3 hrs

LAW 8531 INTRODUCTION TO LAW AND LAWYERING PROCESSES I

Introduction to legal reasoning; case analysis and synthesis; case research; structure and style in legal writing with emphasis on expository writing, including office memoranda.

3 hrs

LAW 8532 INTRODUCTION TO LAW AND LAWYERING PROCESSES II

Introduction to advocacy; introduction to interviewing, counseling and negotiation; statutory and computerized research; writing to and on behalf of a client, including a trial or appellate brief; oral advocacy.

2-3 hrs

LAW 8730 I INTRODUCTION TO AMERICAN LAW & CULTURE

Introduction to the American legal system, including government structure, sources of law, common law development, and core substantive areas. Available to LL.M. International students only.

2-3 hrs

LAW 8601 T INTRODUCTION TO INTERNATIONAL TRADE

The course will examine the structure and workings of the major global trade regimes, including the World Trade Organization ("WTO") and the North American Free Trade Agreement (the "NAFTA") The role of international trade in such areas as the environment, labor rights, national security, the developing world, and non-market economies will also be considered. The course will also focus in depth on United States domestic trade remedies, including antidumping, countervailing duties, section 301 and 337 actions as well as on other international trade restricting practices.

1 hr

LAW 8601 T INTRODUCTION TO INTERNATIONAL TRADE

The course will examine the structure and workings of the major global trade regimes, including the World Trade Organization ("WTO") and the North American Free Trade Agreement (the "Nafta") The role of international trade in such areas as the environment, labor rights, national security, the developing world, and non-market economies will also be considered. The course will also focus in depth on United States domestic trade remedies, including antidumping, countervailing duties, section 301 and 337 actions as well as on other international trade restricting practices.

1 hr

LAW 8832 I INTRODUCTION TO INTERNATIONAL TRADE

An examination of the structure and workings of the major global trade regimes, including the World Trade Organization ("WTO") and the North American Free Trade Agreement (the "NAFTA"). The role of international trade in such areas as the environment, labor rights, national security, the developing world, and non-market economies will also be considered. The course will also focus in depth on United States domestic trade remedies, including antidumping, countervailing duties, section 301 and 337 actions as well as on other international trade restricting practices.

1-3 hrs

LAW 8746 W INTRODUCTION TO WORKERS' COMPENSTATION LAW AND PRACTICE

An introduction to the general history and purpose of the workers' compensation laws with a particular emphasis on Missouri law. Students will be presented with and guided through actual workers' compensation problems which will introduce them to the practical aspects of the practice in this specialized area. With permission from Jefferson City and the Department of Labor and Industrial Relations,the students will be exposed to actual workers' compensation hearings,mediations and other courtroom practices held at the law school and presided over by an Administrative Law Judge.

1-2 hrs

LAW 8656 P JACKSON COUNTY PROSECUTOR CLINIC

As permitted by Missouri Supreme Court Rule 13, senior law students, under supervision, appear in court and assist the Jackson County Prosecutor's Office with the duties and functions the office provides the community. Students enroll for two semesters and are required to devote at least 10 hours per week to formalized instructions, individual mentoring, and instruction and guidance from assistant prosecutors. Limited enrollment, Prerequisites: Rule 13 certification, Evidence, Professional Responsibility, Criminal Procedure I, and Constitutional Law II. Ungraded. Pass/Fail.

3 hrs

LAW 8656 C JACKSON COUNTY PROSECUTOR CLINIC-FAMILY LAW PROSECTION

As permitted by Missouri Supreme Court Rule 13, senior law students, under supervision, appear in court and assist the Jackson County Prosecutor's Office, Child Support Division, in prosecuting cases involving paternity establishment and child support. Support services are provided without charge to custodial parents living in Jackson County. Students enroll for two semesters and are required to devote at least 10 hours per week to formalized instructions, individual mentoring, and instruction and guidance from assistant prosecutors. Limited enrollment. Prerequisites: Rule 13 certification, Evidence, Professional Responsibility, Criminal procedure I, and Family Law. Ungraded. Pass/Fail.

2-3 hrs

LAW 8656 C JACKSON COUNTY PROSECUTOR CLINIC-FAMILY LAW PROSECUTION

As permitted by Missouri Supreme Court Rule 13, senior law students, under supervision, appear in court and assist the Jackson County Prosecutors Office, Child Support Division, in prosecuting cases involving paternity establishment and child support. Support services are provided without charge to custodial parents living in Jackson County. Students enroll for two semesters and are required to devote at least 10 hours per week to formalized instructions, individual mentoring, and instruction and guidance from assistant prosecutors. Limited enrollment. Prerequisites: Rule 13 certification, Evidence, Professional Responsibility, Criminal procedure I, and Family Law. Ungraded. Pass/Fail.

2-3 hrs

LAW 8895 S JURY SELECTION

Students study the purpose of voir dire and the law pertaining to jury selection and receive hands-on experience in selecting a jury role-playing as lawyers; jurors, and presiding judge in a concluding 2 1/2 hour courtroom simulation (where a jury is selected after making challenges for cause and exercising preemptory strikes); and learn that jury selection is an artnot a science-which needs to be tailored to the facts of the case and the witnesses the attorney expects to present. An actual case involving a badly injured young plaintiff and a large corporate defendant-where liability is questionable-is used for the simulation. Students learn active listening skills and how to interpret non-verbal behavior. Examples form prominent, practicing lawyers are presented. The course is graded on a pass/fail basis.

1 hr

LAW 8733 R JUVENILE OFFENDERS & THE LAW

An examination of our justice systems's historical treatment of juvenile delinquent and status offenders, and how the goals and objectives of the past have evolved into today's juvenile offender laws; the rights of juvenile offenders in contrast to those of adult criminals; pre-trial and trial procedural issues under the juvenile code; certification of the juvenile offender as an adult; dispositional/treatment alternatives for juvenile offenders; schools and the juvenile offender.

2-3 hrs

LAW 8763 LABOR LAW

Regulation of labor relations pursuant to the national Labor Relations Act, focusing on the establishment of collective bargaining relationships, unfair labor practices, collective bargaining, strikes, picketing and pre-emption.

2-3 hrs

LAW 8766 LAND USE LAW

Legal and administrative aspects of land use and the problems and techniques of urban planning; statutory anti-nuisance devices; controlling land use by private methods (restrictive covenants, easements, and servitudes); zoning; subdivision controls; public acquisition of land; building and housing; urban renewal and redevelopment; environmental quality control (air, water, and conservation); relationship of lawyers, planners, private builders, and owners to governmental policies.

2-3 hrs

LAW 8728 LAW AND THE AMERICAN INDIAN

An anthropological, historical and legal study of the American Indian, including a focus on American Indian traditional law and values, federal policy and current legal issues.

2-3 hrs

LAW 8808 R LAW OF INFORMATION TECHNOLOGY

The course will examine some legal issues that the use of Information Technology has created. The course will focus upon United Kingdom and Irish substantive law, informed by legislative developments prompted by European Union legislative initiatives. These measures and approaches will be contrasted with United States law and legislative proposals. No specific expertise in the use of computers is required of the students.

1 hr

LAW 8832 LAW OF INTERNATIONAL TRADE AND FINANCE

Study of the World Trading System, focusing on policy and application, including the WTO, the NAFTA, U.S. trade remedies, foreign direct investments controls, and export controls.

3 hrs

LAW 8735 R LAW OF THE EUROPEAN UNION (PART I)

An in-depth study of the legal and political framework and institutions of the European Union; the Commission, Council of Ministers, Court of Justice, Court of Auditors, and the European Parliament. Course will examine the interlocking web of European treaties, the expansion of the European Union, the European Union as a trade block and Ireland as a gateway to the European Union for non-bloc nations.

1 hr

LAW 8737 R LAW OF THE EUROPEAN UNION (PART II)

An examination of the substantive and procedural law governing the member states of the European Community including such topics as the nature and application of European Union Law, the relationship between European Union and national laws, remedies in national courts, enforcement actions, damages and money claims, free movement of goods and workers competition laws, intellectual property, equal treatment of women and men, and non-discrimination.

2 hrs

LAW 8745 LAW REVIEW

Editorial work in connection with the "UMKC Law Review." Open to students selected on basis of scholarship. Ungraded.

1-3 hrs

LAW 8745 R LAW REVIEW BOARD

The members of the Law Review Editorial Board edit articles and student notes and comments for publication in the University of Missouri Kansas City Law Review; and shepherd the articles and student pieces through the production process.

1-5 hrs

LAW 8704 LAWYERING SKILLS

Interviewing and counseling; fact investigation; discovery; negotiation. Simulated videotaped exercises and drafting assignments. Prerequisites: Civil Procedure and Evidence.

2-3 hrs

LAW 8815 S LEADERSHIP IN DISABILITY STUDIES: A MULTIDISCIPLINARY APPROACH

An overview of the history of disability issues, some individualized perspectives of persons with disabilities, the rationale for interdisciplinary approaches regarding disability studies, and opportunities for leadership development with regard to disability issues. The students will participate in a forum that encourages reflection, exchange of ideas, interaction with persons with disabilities and persons from various fields of study, and case analysis. After an orientation to the study of disabilities, various aspects of community membership for persons with disabilities will be addressed, particularly with regard to the workplace, the neighborhood, and the home. Emphasis with placed on vital leadership roles that facilitate community membership and contribution of persons with disabilities to society.

3-4 hrs

LAW 8838 L LEGAL ACCOUNTING

Accounting as it relates to the work of a lawyer. Understanding financial statements (balance sheet, income statement, cash flow, shareholder's equity), analysis of financial statements; defferal concepts (inventory, depreciation, prepaid expenses), understanding accounting principles, valuation (present value, future value.).

1 hr

LAW 8790 LEGAL AID CLINIC

Internship at offices of Legal Aid of Western Missouri. Students receive instruction in basic poverty law representation and techniques for experiential learning and, depending on placement, are given supervised instruction and practice opportunities in client counseling, fact investigation and discovery, case preparation and pleadings, community advocacy and trial techniques. Faculty and Legal Aid attorney supervision. Limited enrollment. Concurrent enrollment in certain courses may be required for some field placements. Ungraded. Pass/fail.

3 hrs

LAW 8800 LEGAL RESEARCH THESIS

Research for LL.M. thesis.

1-8 hrs

LAW 8641 R LEGISLATION

This course explores a variety of topics under the broad heading of "Legislation." Included among them are: electoral and representational structures, legislative drafting, canons of statutory interpretation, identifying and utilizing legislative history, the role of referendums and initiatives as a supplement to representative institutions, public choice theory, and other theories of legislation. The course also includes an opportunity for students to participate in the drafting of legislation for the Kansas for Missouri State legislatures. Paper optional.

2-3 hrs

LAW 8734 MEDIATION

The process in which a neutral third party assists others in resolving a dispute or planning a transaction; introduction to the nature of the process, its possibilities and limitations, its current and future uses, and how lawyers can and should be involved in it; public policy and political issues surrounding the mediation movement; professional responsibility and malpractice.

2 hrs

LAW 8656 A MISSOURI ATTORNEY GENERAL'S OFFICE CLINIC

As Permitted by Missouri Supreme Court Rule 13, second and third year law students, under supervision, work at the Attorney General's Office in Kansas City assisting with the duties and functions of the office provides the community. Students are required to devote at least 6 hours per week to formalized instructions, individual mentoring, and instruction and guidance from assistant attorney generals. Limited enrollment. Prerequisites: Rule 13 certification. Ungraded. Pass/Fail.

2 hrs

LAW 8740 M MISSOURI CIVIL PROCEDURE

Selected problems in Missouri civil procedure under Missouri statute and rules. Topics may include venue and personal jurisdiction, pleading and motion practice rules on joinder of parties and claims, statutes of limitation, trial procedure, post-trial motions & appellate procedure, discovery, and preclusion. (2-3 hours)

2-3 hrs

LAW 8768 NATIONAL LABOR RELATIONS BOARD CLINIC

One-semester clinic in which student(s) will be assigned to the Kansas City Office of the National Labor Relations Board. Under the direction and supervision of the Regional Director, the student(s) will participate in the investigation and prosecution of unfair labor practice charges filed by employers, unions and employees. The student(s) may participate in conducting elections to determine whether employees shall be represented by a union. The student(s) will also assist in Federal District Court litigation to obtain injunctions against NLRA violations. Tasks will include document review, witness interviewing, research and case preparation. Bi-weekly conferences with faculty supervisor and log of clinic activities also required. Prerequisite: Labor Law.

2-3 hrs

LAW 8783 NATURAL RESOURCES LAW

Exploitation and conservation of natural resources; management of federal lands; water law; energy law; federal wildlife preservation; resolution of disputes involving use of natural resources.

2-3 hrs

LAW 8837 NEGOTIATING MERGERS AND ACQUISITIONS

Problem-method study of corporate, tax, securities, and business problems entailed in buying and selling a corporation; fundamental corporate changes: recapitalizations, mergers, sale of assets, sale of stock, and tender offers; corporate finance and rehabilitation of financially distressed corporations.

2-3 hrs

LAW 8888 R PARTNERSHIP TAXATION

An in depth examination of the tax principles governing partnerships limited liability companies and other unincorporated organizations classified as partnerships for tax purposed, including questions involving the tax consequences of the formation of such organizations, operating distributions, basis computations, liquidating distributions, and sales of ownership interests.

3 hrs

LAW 8882 PATENT LAW

This course will focus primarily on substantive U.S. patent law, including the laws governing the patentability of particular inventions, the patent procurement process, the rights granted by a patent, and patent enforcement and litigation. As time permits, the course will explore policy issues raised by the current patent system, discuss proposals for reform and international harmonization, and consider alternatives to patent protection such as trade secret and regulatory exclusivity.

2-3 hrs

LAW 8882 S PATENT LAW SEMINAR

Patent Law Seminar: A two-hour course for study of advanced patent law topics of current interest. The classes will analyze now-controlling Federal Circuit law on issues such as patentable subject matter, double patenting, post-issuance PTO procedures (reissue, re-exam), and infringement/validity of means-plus-function claims.

2-3 hrs

LAW 8882 R PATENT PROSECUTION

This course will focus primarily on the practical application of substantive U.S. patent law, including the laws governing the patentability of particular inventions, the patent procurement process, the rights granted by a patent, and patent enforcement and litigation. In particular, this class will focus on teaching students how to draft a patent application and how to prosecute the application in the U.S. Patent and Trademark office. This class will be designed to mirror the substantive patent law being taught in the Patent Law course. For example, the Patent Law course will present the law and theory of obviousness or novelty; the Patent Prosecution course will instruct in how to deal with and respond to an obviousness or novelty rejection from the U.S. Patent and Trademark Office.Pre or Co-requisite: LAW 8882, Patent Law.

2-3 hrs

LAW 8729 PRESERVATION LAW

An exploration of the legal and economic issues impacting preservation of land, wilderness, buildings and archeological and historical sites, including a study of various federal and state preservation legislation, and private land use preservation measures.

2-3 hrs

LAW 8712 PROBLEMS AND ISSUES IN THE DEATH PENALTY

Issues and problems in the administration of the death penalty; the Missouri capital sentencing scheme; constitutional limitations, statutory schemes, state review systems, procedural matters and collateral review of death sentences.

2 hrs

LAW 8815 PRODUCTS LIABILITY

Theory and practice in products liability cases; negligence; misrepresentation; strict liability; theories of product defect; applicability of the Uniform Commercial Code including warranties and disclaimers; actions among members of the distribution chain.

2-3 hrs

LAW 8846 PROFESSIONAL MALPRACTICE LITIGATION

Negligence by those in professions; consideration of the practice components of litigating legal malpractice claims, including investigation, jurisdiction, legal theory and defenses, pleading, discovery, trial, expert testimony, jury instructions and judgment. Prerequisite or co-requisite: Professional Responsibility

2-3 hrs

LAW 8731 PROFESSIONAL RESPONSIBILITY

Code of Professional Responsibility and the Model Rules of Conduct; role of the lawyer as a professional; confidentiality; conflict of interest; zeal within the bounds of the law; competency; providing legal services.

2 hrs

LAW 8541 PROPERTY I

Introduction to the nature of property; basic personal property law; adverse possession; possessory estates; basic future interests; marital and concurrent interests; landlord-tenant relationships.

3 hrs

LAW 8542 PROPERTY II

Licenses, easements, real covenants, equitable servitudes; nuisances; basic water law; brokerage; financing, mortgages, deeds of trust; contract of sale, deeds, closing; title insurance, warranties; recording; eminent domain; zoning.

3 hrs

LAW 8656 PUBLIC DEFENDER TRIALS CLINIC

As permitted by Missouri Supreme Court Rule 13, senior law students, under supervision, handle cases referred from the Public Defender. Students enroll for two semesters and are required to devote at least 10 hours per week to applied skills, weekly conferences, and lectures. Limited enrollment. Prerequisites: Criminal Law and Legal Writing I and II. Students must also have completed or be enrolled in Criminal Procedure I, Evidence, and Professional Responsibility. Ungraded. Pass/Fail.

3 hrs

LAW 8771 PUBLIC FINANCE

Fiscal, economic, and taxation problems and powers of local government in metropolitan areas; constitutional limitations; spending and public finance; property taxes; special assessments and exactions; interstate tax acts; local income taxes; debt financing; debt adjustment; public expenditures and contracts; financing education.

2-3 hrs

LAW 8650 RACE AND THE LAW SEMINAR

In-depth examination of the role that race plays in American society as a whole and in judicial decision-making in particular. Coursr will examine the effect of race on representative democracy, employment, education, housing, hate crimes, the legal profession, sex, popular culture, and other aspects of the law. Research paper.

2-3 hrs

LAW 8861 REAL ESTATE FINANCE

Real estate investment and development; basic financing instruments (e.g., mortgages, deeds of trusts, contracts for deed); foreclosure remedies; home finance, national housing market; financing of commercial and industrial properties; construction financing; mechanic's liens; priority disputes; bankruptcy issues affecting real estate security interests.

3-4 hrs

LAW 8875 REAL ESTATE TRANSACTIONS

Practice-oriented course, including the development of drafting skills, in which questions involving basic residential and commercial real estate sales and civil and leasing transactions are considered, such as title, title insurance, contract conditions, contract remedies, commercial leasing (office and shopping center issues) and issues concerning and confronting brokers; special emphasis on Missouri and Kansas law.

2-3 hrs

LAW 8711 REMEDIES

Remedies for violation of legally protected interests; history and development of equity jurisdiction and modern equity practice; injunctions; declaratory judgments; rescission; reformation; restitution; contempt; damages. Prerequisite: Civil Procedure.

2-3 hrs

LAW 8899 REQUIRED GRAD ENROLLMENT

1 hr

LAW 8746 RESEARCH & WRITING REQUIREMENT

Completion of a paper of publishable quality, demonstrating intensive research and analysis under faculty supervision.

2 hrs

LAW 8827 R SEMINAR IN RELIGION & THE LAW

This seminar will explore the complex interaction between religion and the legal system, including a study of famous trials raising issues of religion. Also emphasized, will be the interpretation given to the Establishment Clause and Free Exercise Clause by the Supreme Court, and the fundamental question of what role religious values can and should play in shaping our criminal law. Other topics to be addressed might include ministerial privilege, application of tort law to religious institutions, tax exemptions for religious institutions, conscientious objection, and efforts to apply religious doctrine in legal education.

1-2 hrs

LAW 8720 SECURED TRANSACTIONS

Secured Transactions in personal property under Article 9 of the Uniform Commercial Code, function and form of a security agreement, process of perfecting a security interest, priority among unsecured parties; secured sales of goods under Article 2 of the Uniform Commercial Code.

3 hrs

LAW 8758 S SECURITIES REGULATION

Problem and policy method study of the Securities Act of 1933 and selected aspects of the Securities Exchange Act of 1934; financing of an enterprise; reorganizations; tender offers; proxy regulation; and securities fraud claims.

2-3 hrs

LAW 8826 SEMINAR IN CONSTITUTIONAL INTERPRETATION

Current issues in constitutional law. Paper required. Prerequisites: Constitutional Law I.

2-3 hrs

LAW 8735 SEMINAR IN FAMOUS TRIALS

Historical and jurisprudential issues involved in a number of "political trials."

2-3 hrs

LAW 8853 R SEMINAR IN LAW, SCIENCE & TECHNOLOGY

A research seminar which provides a survey of cutting edge issues that arise when the law is forced to confront advances in science and technology and in which students working individually research, write and present on a current law and science or technology topic, such as the facilitation, funding, protection and commercialization of technology; the transfer of technology from the public to private sector; intellectual property issues; bioterrorism; industrial espionage and the protection of trade secrets; technology in the courtroom; scientific evidence; bioethics; forensic anthropology; agricultural biotechnology and cyber law.

2-3 hrs

LAW 8897 SEMINAR IN LEGAL EDUCATION

Pedagogical philosophy of legal education; common themes in first-year legal education; techniques of cooperative learning of legal materials. Students may act as study group leaders for various first-year course subjects. Ungraded.

1-2 hrs

LAW 8883 SEMINAR IN NATIONAL SECURITY LAW

Consideration of lawyer involvement in the formulation and execution of national security policy. Concentration will be upon the practice of law in the public sector. In an interdisciplinary undertaking, this course will define national security and examine its historic and theoretical roots. Domestically, Constitutional principles and rules will be studied. Use of force will be explored from the vantage point of ethics, international law, and the law of war. Legal issues surrounding problems of control of international terrorism, low intensity conflict, planning and using rules of engagement, and supporting international peace-keeping and peace-making missions will be discussed.

2 hrs

LAW 8827 R SEMINAR IN RELIGION & THE LAW

This seminar will explore the complex interaction between religion and the legal system, including a study of famous trials raising issues of religion. Also emphasized, will be the interpretation given to the Establishment Clause and Free Exercise Clause by the Supreme Court, and the fundamental question of what role religious values can and should play in shaping our criminal law. Other topics to be addressed might include ministerial privilege, application of tort law to religious institutions, tax exemptions for religious institutions, conscientious objection, and efforts to apply religious doctrine in legal education.

1-2 hrs

LAW 8820 R SEMINAR IN THE ETHICS OF CRIMINAL ADVOCACY

Advanced study of selected topics relating to the ethical obligations of prosecutors and defense attorney. Topics may include special obligations of prosecutors, secrecy and confidentiality, conflict of interest, the limits of zealous advocacy, marketing and fees, competence and related subjects. Paper and presentation required. Pre-requisite: Professional Responsibility. Suggested pre-or co-requisite: Criminal Procedure I and II. Limited Enrollment.

2 hrs

LAW 8792 S SEMINAR ON GUN LAW & POLICY

This course examines legal and public policy issues relating to firearms and the role they play in the United States, with a particular emphasis on debates about the meaning of the Second Amendment and attempts to hold gun manufacturers and sellers liable under tort law. Research paper required. No prerequisite courses.

1-3 hrs

LAW 8881 SEMINAR ON THE SUPREME COURT

Students simulate the work of the Supreme Court on nine cases presently pending before that court. The student justices study the briefs and related material filed in each case, discuss and vote on the cases, and write majority and dissenting opinions. Enrollment in the seminar is limited-fittingly--to nine justices.

3 hrs

LAW 8735 P SEMINAR IN PRE-TWENTIETH CENTURY FAMOUS TRIALS

This seminar will explore six or seven of the most famous trials from ancient times to the end of the nineteenth century. The trials covered will vary from year to year, but will be taken from a list that includes the trials of Socrates,Jesus, Joan of Arc,Sir Thomas More,Galileo,the Salem witches,John Peter Zenger,the British soldiers charged in connection with the Boston Massacre,Aaron Burr,the slaves of the Amistad,John Brown,the Lincoln Assassination conspirators,Susan B. Anthony, the Haymarket rioters,Lizzie

Borden,and Oscar Wilde. Each trial will be examined from many perspectives,both with an eye to deepening students' appreciation for history and their understanding of the tactical and ethical questions faced by attorneys involved in these famous cases. Materials for the seminar can be found on the Famous Trials website. Grades for the seminar will be based both on an in-class objective examination and a short paper addressing an issue raised in a famous pre-twentieth century trial.

1 hr

LAW 8714 S SEXUALITY AND THE LAW

An examination of sexual orientation,sexuality,and the law. This course will introduce students to existing and emerging jurisprudence in these areas by examining case law with an eye toward how holdings in specific cases can be expanded or restricted in future litigation. The five-day course will examine the manner in which constructions of sexuality and sexual orientation have impacted the development of law in the areas of constitutional law (including speech and the right to privacy),employment,marriage,parenting,violence and military service.

1 hr

LAW 8867 R SOCIAL SECURITY ADMINISTRATION LAW CLINIC

Students assist an Administrative Law Judge in performing duties handled by the Social Security Administration, including reviewing files of pending cases; conducting legal research; attending hearings and participating in conferences, as assigned; preparing recommendations for the disposition of motions and for on the record decisions; and preparing draft decisions. Students are supervised by an attorney advisor and attend regular conferences with a supervising faculty member who reviews copies of all clinic written work that may be so reviewed under Social Security Administration rules. Prerequisite: Administrative Law. Ungraded. Pass/Fail.

2-3 hrs

LAW 8757 L SPECIAL TOPICS IN ENTREPRENEURIAL LAWYERING

Examination of issues related to ethical and effective management and marketing of law practice, emphasizing solo and small firm practice. Topics will vary from year to year, but will generally address issues such as forms of practice, dissolution of practice, practice management systems (including technology assistance), human resources management, advertisement and solicitation, insurance and malpractice.

1-2 hrs

LAW 8757 S SPECIAL TOPICS IN BUSINESS LAW PRACTICE

Specialized course of study in the following areas relating to transactional practice: conducting research in special areas of business and tax law,with related exercises; application of ethical rules to issues commonly arising in business/tax practice fact patterns; overview of deferred compensation techniques with which business and tax lawyers should be at least generally familiar; selected issues in corporate finance and venture capital,with emphasis on advanced/hybrid financial instruments not covered in detail in the Business Organizations course; and negotiation skills training,including a lecture on negotiation rules,etc.,and review and critique a tape of negotiators in action. Completion of this course will satisfy both the advanced research and ethics requirements of the Business & Entrepreneurial Law Emphasis.

1 hr

LAW 8890 A SPORTS LAW I, AMATEUR SPORTS LAW

Coverage of various amateur sports law issues with a focus on the regulation of interscholastic, intercollegiate sports, Olympic and international sports, and sports broadcasting; including such topics as constitutional law, tort law, contract law, and Title IX gender discrimination; and a consideration of federal disability discrimination laws, the status of collegiate athletes who participate in big time sports programs, the regulatory authority of the National Collegiate Athletics Association, The National High School Athletic Association, international and Olympic sports organizations.

2-3 hrs

LAW 8890 B SPORTS LAW II, PROFESSIONAL SPORTS LAW

A focus upon the multitude of legal issues and unique relationships in the sports industry, including, among other issues, professional team sports, other professional sports, facilities management in professional sports, legal implications and the practical realities of the unique labor-management relationships in professional sports. The most significant areas to be studied in the context are antitrust, labor, communications, taxation, contracts law, and intellectual property law.

2-3 hrs

LAW 8770 STATE AND LOCAL GOVERNMENT LAW

Structure, powers, and divisions of local governments in metropolitan areas; role and powers of cities, counties, towns, school and special districts; decentralized and neighborhood governmental units and other local governmental units; legislative, home-rule, and constitutional sources of power; sovereign immunity; boundary adjustments; public employee relations; citizen participation; reapportionment; licensing and permits; ethics and public access to records; regional governance; intergovernmental cooperation; interstate compacts and authorities; function of local government with reference to solution of problems created by urban growth; role of judicial, administrative, and political processes.

2-3 hrs

LAW 8848 R STATE AND LOCAL TAXATION

State and local taxation of income, sales and property, including the apportionment of tax obligations to multiple states. Restrictions imposed by constitutional doctrines such as the uniformity and equality requirement and the prohibition on interfering with interstate commerce.

2-3 hrs

LAW 8834 R TAX CLINIC

Students counsel clients in federal, state and local tax controversy matters in the Kansas City Tax clinic, under the supervision and direction of tax faculty, clinic director, and volunteer attorneys. Classroom instruction in the area of tax controversy procedure and client counseling. Prerequisite: Federal Income Tax and Tax procedure (or concurrent enrollment). Method of grading: Pass/Fail.

0.5-2 hrs

LAW 8612 R TAX PLANNING WITH LIFE INSURANCE

An examination of the various tax consequences of using life insurance, including issues relating to the income, gift and estate tax consequences of life insurance ownership by an individual, and irrevocable trust, or business entity.

1 hr

LAW 8838 R TAX PRACTICUM I

Practical skills training in the sources and methods of tax research (including electronic database sources) using problem method approaches; analytical and planning skills are developed through in-depth case study research.

1-3 hrs

LAW 8834 TAX PROCEDURE

Problem-method study of procedures and taxpayers' rights when deficiencies are assessed by the Internal Revenue Service; tax liens; commencement of litigation in Tax Court, Federal District Court, and Court of Claims.

2 hrs

LAW 8874 TAX-EXEMPT ORGANIZATIONS

An in-depth examination of the state and federal laws that govern the formation and operation of tax-exempt organizations, with emphasis on Sec. 501 (c) (3) charities; criteria for tax-exempt status; IRS application and reporting procedures; unrealted business income tax issues.

2 hrs

LAW 8603 TAXATION OF BUSINESS ORGANIZATION

Survey course of the taxation of business enterprises, particularly partnerships, corporations and subchapter S corporations. Prerequisites: Federal Taxation and Business Organizations.

2-3 hrs

LAW 8892 R TAXATION OF ESTATES, GIFTS AND TRUSTS

Problem method study of estate, gift and generation skipping transfer taxes and the income taxation of estates and trusts. Emphasis on lifetime and post-mortem planning as well as compliance requirements.

2-3 hrs

LAW 8895 THE JURY: PRACTICE AND PERSPECTIVES

Examination of the American jury from both practical and theoretical perspectives; Constitutional issues relating to jury representativeness, use of peremptories, and alleged jury bias; jury selection techniques; juror information processing and the dynamics of jury deliberations; jury competence; jury size; juror misconduct; jury "nullification"; proposals for reform of the jury system.

2 hrs

LAW 8740 C THE MISSOURI SUPREME COURT & CONSTITUTION

In four of the five sessions, students will study a single case that is currently pending before the Missouri Supreme Court or has very recently been decided by it. Each case will be selected because it raises important issues under the Missouri Constitution or because it illustrates an important aspects of the Supreme Court¿s function in our judicial system. The students will read the briefs and (in some cases) a small amount of related material before the class session. The class will discuss the issues raised by the briefs and listen to the actual oral argument of the case. As part of the discussion, students will be introduced to the way the Supreme Court functions. One session will ordinarily consist of a trip to the Supreme Court in Jefferson City to observe the Court (if it is in session) and to meet with one or more its members. This session will be scheduled on whichever day best fits with the Court¿s schedule.

1 hr

LAW 8511 TORTS

Wrongs to the person and to property; legal remedies through which compensation or other relief may be obtained.

3 hrs

LAW 8753 L TRANSNATIONAL LITIGATION & ARBITRATION

Legal issues involved when litigation crosses international borders, including such issues as: International service of process, international discovery, extraterritoriality, sovereign defenses and foreign legal environments (courts, lawyers, clients, laws).

2-3 hrs

LAW 8700 TRIAL ADVOCACY I

A practical skills course in advocacy which introduces students to the fundamental components of a typical civil and criminal trial and requires students to perform exercises involving each component and try a mock civil or criminal case from provided problem materials. The course is graded on a pass/fail basis. Prerequisite or corequisite: Evidence.

2 hrs

LAW 8703 TRIAL ADVOCACY II

A practical skills course in the art of trial advocacy with an emphasis on technique, style, and methods of persuasion. During class sessions, students perform exercises involving the various stages of a law suit, and are critiqued on their performances. Following performance of the exercises, students are divided into teams and try a mock case in a trial competition, from which the Law School's National Trial Competition Teams are selected. The trials are evaluated by trial lawyers and federal or state judges. The course is graded on a pass/fail basis.. Limited enrollment. Prerequisite: Trial Advocacy I

2 hrs

LAW 8705 TRIAL ADVOCACY III

Students, under the supervision of trial advocacy faculty, participate in trial competitions. Enrollment by invitation only. The course is graded on a pass/fail basis. Prerequisite: Trial Advocacy I and II.

2 hrs

LAW 8868 TRUSTS: PLANNING, DRAFTING, ADMINISTERING & LITIGATING

Focus on advanced planning and drafting of inter vivos private express trusts for individuals, including proper use of readily available forms (tax-related drafting limited to marital and charitable deduction forms), consideration of trustee's duties, powers and liabilities pursuant to the Missouri Trust Code and related cases, and special emphasis on the recently-adopted Uniform Investor Act and the significant changes it has introduced to Missouri trust investment law. Estates & Trusts is a prerequisite to this course, and concurrent enrollment in Estate Planning & Drafting is advised.

2-3 hrs

LAW 8637 R U.S. ATTORNEY'S OFFICE LAW CLINIC

Up to four students, under supervision of an Assistant United States Attorney, are selected as interns to work in the United States Attorney's Office for the Western District of Missouri with members of the Strike Force, Narcotic Unit, General Crimes Unit or Civil Division. Activities include, legal research and writing, consisting of memoranda, motions and briefs; observations and participation in trials, pre-trial hearings and motions, as appropriate; and assistance with litigation. Students are expected to work a pre-approved schedule of six hours a week for fourteen weeks with a minimum of eighty hours a semester and to attend regular conferences with their supervising attorney and faculty supervisor. Prerequisites: Three semesters of law school and attainment of at least a B+ cumulative grade point average. Eligible interested students are screened and selected. Ungraded. Pass/Fail.

2-3 hrs

LAW 8782 R U.S. ENVIRONMENT PROTECTION AGENCY LAW CLINIC NATIONAL AGRICULTURAL COMPLIANCE ASSISTANCE CENTER

students will be assigned to work with EPA's National Agriculture Compliance Assistance Center (AG Center). Under the supervision of an attorney with the Ag Center, a student will be expected to perform legal research, write memoranda, develop compliance assistance materials, respond to inquiries from the regulated community, and participate as appropriate in meetings, conferences, and training sessions with EPA, other federal agencies, trade associations, etc., and, in general, assist in the activities of the Ag Center. Students must have completed three semesters of law school. Preference will be given to students who have completed Environmental Law or administrative Law. Eligible interested students will then be screened and selected. Ungraded. Pass/Fail.

2-3 hrs

LAW 8782 S U.S. ENVIRONMENTAL PROTECTION AGENCY CLINIC, REGION VII

Students will be assigned to work at the EPS's Region VII Headquarters in Kansas City, Ks. Under the supervision of an EPA attorney, students will be expected to perform legal research, write memoranda, develop compliance assistance materials,respond to inquiries from the regulated community, and participate as appropriate in meetings, conferences, and training sessions with the EPA. Students will attend regular conferences with their Supervising Attorney and Faculty Supervisor, and will produce a final written project based on their experience. Students mush have completed two semesters of law school. Preference will be given to students who have completed an environmental course at the Law School. Eligible students will be screened and selected. Positions limited. Ungraded, pass/fail.

2-3 hrs

LAW 8750 B URBAN LAWYER BOARD

Members of the Urban lawyer Editorial Board, articles that are submitted and coordinates student written case digests and comments for publication in The Urban lawyer. The members of the board ensure the articles and student pieces conform to publication standards and work the articles through the production process. Board members must take at least one credit in the fall semester and can carry over the remaining allocated credits to the winter semester. Ungraded.

1-5 hrs

LAW 8750 URBAN LAWYER STAFF

Staff members of the Urban Lawyer receive credit for writing case notes, annotations, and statutory developments, for editing articles, for editing comments and book reviews, and for participation in urban legal conferences. Research Editors of the Urban Lawyer receive additional credit for writing a major article or comment for publication in the journal. Ungraded.

1 hr

LAW 8725 WATER LAW

Private acquisition of water rights through riparian ownership and prior appropriation; public rights to water existent in bed ownership easements and trusts; ground water management; water distribution organizations; federal allocation and control of water resources; interstate allocation.

2-3 hrs

LAW 8884 WHITE COLLAR CRIME

Examines substantive federal law in the areas of fraud, public corruption, financial crimes and conspiracy; it also includes examination of procedural and policy issues related to business and white-collar investigations. Prerequisites: Criminal Law and Criminal Procedure I.

2-3 hrs

LAW 8778 WORKSHOP ON CURRENT ISSUES IN FAMILY LAW

Under direction of professor, students provide editorial assistance in publishing Journal of the American Academy of Matrimonial Lawyers, write a paper on selected topics and prepare summaries and bibliography of current works. Limited enrollment. Prerequisite: Family Law.

2 hrs

LAW 8635 S **WRONGFUL CONVICTIONS**

An examination of the causes of wrongful convictions, a consideration of systemic reforms that might minimize convicting the innocent and a focus on recurring ethical issues that confront prosecutors and criminal defense lawyers. Students also will work with The Midwestern Innocence Project on cases of possible actual innocence.This course provides an insider's look into the operation of the criminal justice system and is designed to help students gain insight into features of the criminal justice system that have a tendency to produce wrongful convictions. It should be of particular interest to any student interested in working in a prosecutor's office, public defender's office or for a firm doing defense work. It is a prerequisite for any student wishing to enroll in the Innocence Project clinic. Limited enrollment (normally, up to 16 students)

2-3 hrs

LAW 8635 T **WRONGFUL CONVICTIONS II**

A follow-up class to Wrongful Convictions I, open only to students who have completed Wrongful Convictions I. The course will involve "hands on" work with cases that have passed through the first level of screening in Wrongful Convictions I with students receiving the transcripts and case documents in addition to the briefs and opinion in the case. Students will receive these documents and report on the likelihood that an inmate is innocent and the strategies available for pursuing the claim of innocence.

2-3 hrs

Libraries

School of Medicine

SCHOOL OF MEDICINE COURSES BASIC MEDICAL SCIENCE (BMS) MEDICINE ANESTHESIA

School of Nursing

SCHOOL OF NURSING COURSES NURSING

NURSE 5515 NA **ROLE OF THE NURSE ADMINISTRATOR**

This course builds upon the fundamentals of advanced practice nursing by focusing on the subrole of the nurse administrator. Content focuses on essential knowledge for today's senior and executive level manager in health care. Core content are principles of administration, resource management, managed care, budgeting, marketing, health care delivery system evaluation, and utilization of theory and research. This course consists of three hours of lecture/discussion per week. Due to the experiential learning activity associated with time spent with a nurse leader this class meets every OTHER week. Prerequisite: Admission to the MSN program or permission of instructor.

3 hrs

NURSE 5515 NE **THE ROLE OF THE NURSE EDUCATOR**

This course will explore the role of the nurse educator. Emphasis will be the development and evaluation of the nurse educator in the functional areas of community education, staff education, and academic education. In each of these areas topics such as role transition, productivity, job duties/responsibilities, and role enactment evaluation, will be discussed and compared one to the other. Core content includes: role theory, subroles of the nurse educator (leader, learning facilitator, collaborator/consultant, inquirer, and clinical expert), adult education philosophy, the effect of education research on nurse education and trends of nursing education. Prerequisite: Admission to the MSN program or permission from instructor.

2 hrs

NURSE 5516 **CURRICULUM DEVELOPMENT**

This course is designed to facilitate curriculum development and evaluation for the nurse educator functioning in a variety of settings such as academia, staff development, and community education. The historical development of curriculum will be discussed. Furthermore, several definitions of curriculum will be identified and contrasted in relation to curriculum development and evaluation. Development of classes, courses, and programs will be differentiated and discussed in relation to the learner, regulatory bodies, and desired learning outcomes. Core content will include: pedagogy and andragogy, components of curriculum, steps of curriculum development, accrediting bodies appropriate to the setting, and development of an evaluation plan. Prerequisites: Admission to the Master of Science in Nursing program or permission of instructor.

2 hrs

NURSE 5517 **TEACHING STRATEGIES**

This course is designed to explore a variety of instructional and testing/evaluation methods used by nurse educators in academia, staff development, and community education. Emphasis will be placed on the rationale for selection of appropriate instructional methods in relation to learning theories, the learners, the content, and the evaluation methods. Each instructional method will be discussed in terms of preparation, time frame, appropriateness, techniques and evaluation. Core content will include: theories of learning, principles of adult learners, learning objectives for the classroom, community and clinical settings, development of appropriate audiovisuals, and student evaluation in both the classroom and clinical settings. Prerequisites: Admission to the Master of Science in Nursing program or permission of instructor.

2 hrs

NURSE 5518 **CURRICULUM DEVELOPMENT AND TEACHING STRATEGIES**

This course examines the theoretical base for development of the nurse educator role for undergraduate nursing education. Concepts of learning, instructional design, and curriculum design are examined. Issues in higher education and nursing education are considered as they impact the design of instruction for nursing. This is one of three courses in a series to prepare beginning nurse educators undergraduate nursing education. Students will be introduced to curriculum development, instructional design, teaching strategies, and evaluation methods. Prerequisite: BSN Degree

3 hrs

NURSE 5519 **C & I FIELD EXPERIENCE**

This one credit hour study will provide the student the opportunity to apply various principles of curriculum development and evaluation to various types of educational programs including staff education, community education and associate degree education. Prerequisite: NURSE 518

1 hr

NURSE 5526 HEALTH PROMOTION ACROSS THE LIFESPAN

This course is designed to provide students with a strong knowledge base related to concepts of health promotion and health protection for clients across the life span. Clients are conceptualized as individuals, families and populations. An application of various developmental theories for the child, adult, older adult and family will provide the basis to individualize health-care needs for various age and family groups. Core concepts for the course include: theories of health and health promotion and protection, reasoned action, health belief model, epidemiology, disease and injury privation, health education, growth and development, nutrition, and family systems theory. Prerequisites/Co-Requisites: NURSE 550 Theoretical Foundations in Nursing.

3 hrs

NURSE 5527 CULTURAL DIVERSITY & VALUES

This course explores how each individual's life context and social, cultural, political, historical, and economic influences (that is, one's culture) shape or, "construct" that individual's values, beliefs and behaviors. Applying concepts and theory from anthropology, philosophy, sociology, and nursing, the course expands students' basic knowledge of cultural diversity, approaches to culture and cultural competency, values and ethics-related terminology, theories of moral development, culture and value assessment skills, and ethical decision-making models for clinical practice. The values inherent in the development of advanced practice nursing are explored, and students examine their own understanding of the moral nature of advanced practice nursing. Core concepts for the course include: cultural awareness, cultural knowledge, cultural skill, cultural encounter, values clarification, ethical analysis, conflict of interest, and conflict resolution strategies. Offered: Every Fall, Every Summer

3 hrs

NURSE 5528 POLICY, POLITICS & PROFESSIONAL ETHICS IN HEALTH CARE

This course presents an overview of policy, politics, financing and professional ethics within the health care organizations and systems, with emphasis on current trends. Attention is given to the relationship between these issues and improving nursing health care delivery and outcomes. Offered: Every Winter & Every Summer

3 hrs

NURSE 5530 A THE EXPERIENCE OF HEALTH IN AGING: PHYSIOLOGICAL

This one-credit hour course is designed for students interested in understanding the role of health in the aging population. The 530A course will focus primarily on physiologic and psychological/cognitive functioning of the older adult. Theoretical, empirical and applied knowledge of the aging process is presented. This knowledge is utilized in assessing and interpreting the physiological and psychological influences of the aging on health. This knowledge may also be used in developing strategies for the promotion, restoration, and maintenance of health in the aging population. This course meets for five weeks. Additionally, a field experience encompasses assessment and written documentation of in-person interviews conducted with an older adult. Instructional class activities include lecture, group discussion, written reactions, dialogue with visiting speakers, and health assessment papers presented by students.

1 hr

NURSE 5530 B THE EXPERIENCE OF HELATH IN AGING: RELATIONSHIP

This one-credit hour course is designed for students interested in understanding the role of health, environment and relationships in the aging population. The N530B course will focus primarily on loss/grief and relationships as these relate to the older adult. Theoretical, empirical and applied knowledge of the aging process is presented. This knowledge is utilized in assessing and interpreting the influences of relationships, intimacy, loss, grief, and dying on health. This knowledge may also be used in developing strategies for the promotion, restoration, and maintenance of health in the aging population. This course meets for five weeks. Additionally, a field experience encompasses assessment and written documentation of in-person interviews conducted with an older adult. Instructional class activities include lecture, group discussion, written reactions, dialogue with visiting speakers, and health assessment papers presented by students. Offered: Every Winter

1 hr

NURSE 5530 C THE EXPERIENCE OF HEALTH IN AGING: COMMUNITY

This one-credit hour course is designed for students interested in understanding the role of health, community, systems and service delivery in the aging population. The N530C course will focus primarily on community, health systems and service delivery as these relate to the older adult. Theoretical, empirical and applied knowledge of aging and the health system and delivery process is presented. This knowledge is utilized in assessing and interpreting the influence of the community and health care delivery systems on the health of older adults. This knowledge may also be used in developing strategies for the promotion, restoration, and maintenance of health in the aging population. This course meets for five weeks. Additionally, a field experience encompasses assessment and written documentation of in-person interviews conducted with an older adult. Instructional class activities include lecture, group discussion, written reactions, dialogue with visiting speakers, and health assessment papers presented by students. Offered: Every Winter

1 hr

NURSE 5547 A DIAGNOSTIC REASONING/ADVANCED ASSESSMENT

This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of individuals. The course builds on basic health assessment skills and emphasizes advanced assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings. This course consists of 2-3 hours lecture/discussion and 1 hour of clinical/lab credit. Prerequisites: Free-standing Health Assessment Course.

4 hrs

NURSE 5547 C DIAGNOSTIC REASONING/ADVANCED ASSESSMENT

This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of individuals. The course builds on basic health assessment skills and emphasizes advanced assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings. This course consists of 2 hours of lecture/discussion and 1 hour of clinical/lab credit. Prerequisites: Free-standing Health Assessment course.

3 hrs

NURSE 5547 F DIAGNOSTIC REASONING/ADVANCED ASSESSMENT

This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of individuals. The course builds on basic health assessment skills and emphasizes advanced assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings. This course consists of 2-3 hours of lecture/discussion and 1 hour of clinical/lab credit. Prerequisites: Free-standing Health Assessment Course.

4 hrs

NURSE 5547 N **Advanced Assessment of The Neonate**

This course is designed to provide a systematic approach to advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of the fetus, the mother during the prenatal period, and the neonate . This course builds on basic health assessment skills and emphasizes advanced assessment skills, diagnostic test interpretation, validation, documentation and analysis of prenatal, genetic and embryological factors impacting neonatal health and development. This three credit hour course consists of two hours of didactic / discussion per week and forty hours of clinical/lab per semester.Prerequisites: Admission to the MSN NNP program

3 hrs

NURSE 5547 PM **Diagnostic Reasoning/Advanced Assessment**

This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, development and spirtual assessment of individuals. The post-MSN student will build on previous advanced assessment skills and content with emphasis on adding advanced physical assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings appropriate to their desired role area. Students will meet the same outcome standards of the track in which they are currently enrolled. This course consists of 1.5 hrs of lecture/discussion and .5 hours of clinical/lab credit (40 minimum clinical hours and approval of faculty. Prerequisites: Free-standing Health Assesment Course.

2 hrs

NURSE 5547 W **Diagnostic Reasoning/Advanced Assessment**

This course is designed to provide a systematic approach to the advanced assessment of physiological, psychological, sociocultural, developmental and spiritual assessment of individuals. The course builds on basic health assessment skills and emphasizes advanced assessment skills, lab work interpretation, validation, documentation and analysis of assessment findings. This course consists of 2-3 hours lecture/discussion and 1 hour of clinical/lab credit. Prerequisites: Free-standing Health Assessment Course.

4 hrs

NURSE 5548 **Advanced Pathophysiology**

Advanced pathophysiology is the study of the alterations of normal physiological functioning in cellular, tissue, organ and organ systems. These alterations form the basis for understanding a variety of pathophysiological conditions and the manifestations and impact of abnormal physiological functioning on clients across the life-span. Advanced pathophysiology deals with both generalized processes and major organ system dysfunctions. This course consists of three hours of lecture/discussion per week.

3 hrs

NURSE 5548 C **Advanced Pediatric Pathophysiology**

In this course, embryology of the major organ systems, as well as specific physiologic and pathophysiologic processes relevant to the child from birth through age 18 will be studied. This course focuses on the implications for advanced nursing practice that result from alterations of normal physiologic functioning in cellular, tissue, and organ systems. Emphasis is placed on the relationship between pathophysiology, decision-making, and standards of advanced nursing practice. Prerequisite: Admission to the Master of Science in Nursing or permission of the instructor.

3 hrs

NURSE 5548 N **Physiology/Pathophysiology Of The Neonate**

Concepts of embryology, neonatal physiology and pathophysiology are used to provide an in-depth study of normal functioning and alteration of normal physiological functioning in cellular, tissue, organ, and organ systems. Alterations form the basis for understanding a variety of pathophysiological conditions and the manifestations and impact of abnormal physiological functioning on neonates. Both generalized processes and major system dysfunctions are addressed. This three credit hours course consists of three hours of lecture and discussion each week. Prerequisites: Admission to the Neonatal Nurse Practitioner Track/Master of Science in Nursing or consent of the instructor

3 hrs

NURSE 5549 **Pharmacology For Advanced Nursing Practice**

This is a course in clinical pharmacotherapeutics that builds on prior knowledge of drug classification, actions, interactions and adverse drug reactions. The major focus of the course is the pharmacotherapeutic use of medications for primary health care management by advanced practice nurses. Emphasis is placed on the clinical critical thinking process used to prescribe drugs in the management of specific illnesses. The Missouri laws for advanced practice nurse prescriptive authority will be addressed. Core concepts include pharmacodynamics, pharmacokinetics, pharmacotherapeutics, health-related information, medication compliance and issues that pertain to the prescribing of medications in advanced nursing practice. This course consists of three hours of lecture/discussion/in-class clinical module work per week. Prerequisite: NURSE 548

3 hrs

NURSE 5549 C **Pediatric Pharmacology For Advanced Nursing Practice**

This is a course in clinical pharmacotherapeutics that builds on prior knowledge of drug classifications, actions, interactions and adverse drug reactions. The major focus of the course is the pharmacotherapeutic use of medicatins for primary health care management of children from birth to eighteen years of age by advanced practice nurses. Emphasis is placed on the clinical critical thinking process used to prescribe drugs in the management of specific illnesses. The Missouri laws for advanced practice nurse prescriptive authority will be addressed. Core concepts include pharmacodynamics, pharmacokinetics, pharmacotherapeutics, health-related information, medication compliance and issues that pertain to the prescribing of medications in advanced nursing practice. Prerequisite: N548 Advanced Pathophysiology

3 hrs

NURSE 5549 N **Pharmacology for the Neonate**

This course in clinical pharmacotherapeutics builds on prior knowledge of drug classifications, actions, interactions and adverse drug reactions in the neonatal population. The major focus of the course is the pharmacotherapeutic use of medications for management of neonates by advanced practice nurses. Emphasis is placed on the clinical critical thinking process used to prescribe drugs in the management of specific neonatal illnesses. Various state laws pertaining to prescriptive authority for advanced practice nurses will be addressed. Core concepts include: pharmacodynamics, pharmacokinetics, health related information and issues that pertain to the prescribing of medications in advanced nursing practice.Prerequisites: NURSE 5547N, NURSE 5548N or consent of the instructor.

3 hrs

NURSE 5550 **Theoretical Foundations In Nursing**

This course focuses on critical analysis of theory and the utilization of various levels of nursing and nursing related theories as a base for nursing at the graduate level. It further examines the inter-relationship of theory, research and practice in the development of the scientific body of nursing knowledge. Methods by which knowledge is gained and validated will be analyzed. Students will synthesize several different theories from which to form the basis of their practice. Relationships of theory, practice and research will be discussed. Prerequisite: Admission to the MSN or PhD Program

3 hrs

NURSE 5555 NURSING RESEARCH: EVIDENCE BASED PRACTICE

This course is designed to prepare the student with the knowledge required to utilize research findings to provide high quality health care and improve nursing practice. this knowledge includes fundamentals of research methods, procedures for the evaluation of research and the application of research findings to clinical practice and organizational decision making. Prerequisites/Co-requisite NURSE 5550 Theoretical Foundations in Nursing & an upper division statistics course

3 hrs

NURSE 5556 PROGRAM EVALUATION

This survey course is designed to introduce students to the philosophy, theory, and methodology of program evaluation. The end point of this course is that graduate students will be able to design, implement, and evaluate research, education and/or social programs within the context of their primary focus of study (i.e. clinical or role).

3 hrs

NURSE 5557 QUALITATIVE METHODS IN NURSING RESEARCH

This course is designed to provide the student with the skills necessary to the understanding and conduct of qualitative research. Various methods, including ethnographic, phenomenologic, historic, grounded theory and aesthetic inquiry are presented and discussed. Emphasis is placed upon the appropriateness of each method for different research problems. This course consists of three hours of lecture/discussion per week. Prerequisites/requisites: NURSE 550 and NURSE 555.

3 hrs

NURSE 5558 RESEARCH DESIGN

This course is designed to provide the student with experience in the development of a research proposal. Research skills acquired in previous courses will be synthesized to produce the componets of a proposal. Prerequisite: NURSE 555

3 hrs

NURSE 5564 A PRIMARY CARE OF ADULTS II

This course is designed to prepare nurse practitioner students to manage common health problems of adults. The focus is on developmentally appropriate preventive health care and management of common acute/episodic illnesses. Students will integrate role competencies, professional standards, and legal requirements essential to the NP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, patient/family education, legal and professional issues, standards of practice, and advanced practice role competencies. This course consist of 3 credit hours of didactic and 2 credit hours of clinical (165 hours). Clinical practice and clinical seminar comprise the clinical experience.

5 hrs

NURSE 5564 C CLINICAL II: PRIMARY CARE OF CHILDREN

This course is designed to prepare nurse practitioner students to manage common pediatric health problems. The focus is on developmentally appropriate preventive health care and management of common acute/episodic illnesses. Students will integrate role competencies, professional standards, and legal requirements essential to the NP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, patient/family education, legal and professional issues, standards of practice, and advanced practice role competencies. This course consist of 4 credit hours of didactic and 2 credit hours of clinical (165 hours). Clinical practice and clinical seminar comprise the clinical experience.

6 hrs

NURSE 5564 F PRIMARY CARE OF FAMILIES II

This course is designed to prepare nurse practitioner students to manage common health problems across the life span. The focus is on developmentally appropriate preventive health care and management of common acute/episodic illnesses. Students will integrate role competencies, professional standards, and legal requirements essential to the NP role. Core content includes differential diagnosis, therapeutic management, adherence, anticipatory guidance, patient/family education, legal and professional issues, standards of practice, and advanced practice role competencies. This course consist of 3 credit hours of didactic and 2 credit hours of clinical (165 hours). Clinical practice and clinical seminar comprise the clinical experience.

5 hrs

NURSE 5564 N NEONATAL NURSING I

This course integrates the physiologic, pharmacological, and assessment skills and principals in determining appropriate care of the ill neonate. This course covers case management of the respiratory, cardiovascular and neurologic disorders while the concurrent course, NURSE 5566N, covers the gastrointestinal, renal, endocrine, hematologic, orthopedic, dermatolotic and immune system disorders.Current research and evidence based practices are used as the course framework. The effects of clinical conditions on the growth and development of the neonate, including subsequent chronic health problems as well as the short and long term consequences to the child's family are emphasized. The use of specific interventions and diagnostic procedures are demonstrated and applied in laboratory / clinical settings during the forty hours of required clinical activities. This three credit hour course consists of two hours of didactic / discussion and one hour of clinical experience consisting of laboratory, clinical seminars, clinical observation and practice. Prerequisite: NURSE 5594N, Corequisite: NURSE 5566N

3 hrs

NURSE 5564 PW PRIMARY HEALTH CARE OF WOMEN

This course will focus on the etiology, symptomatology, diagnosis and management of gynecologic and non-gynecologic primary health care problems in women, throughout the lifespan. Emphasis will be placed on caring for women within a holistic framework and recognizing how the changing roles of women in today's society can effect their lives and their health status. Concepts, theories and research related to health promotion, health maintenance and restoration and the prevention of illness and injury of epidemiologically significant problems and potential problems will be addressed. Through clinical experiences, students will integrate concepts of wellness and health promotion, illness prevention, and collaboration, as well as nursing and medical therapeutic modalities, to provide care to women in a comprehensive, interdisciplinary fashion. Core content: differential diagnosis; theories: stress/ adaption and crisis; therapeutic relationships; and advanced nursing skills. This course will consist of 2-3 credit hours of lecture/seminar plus 2 credit hours (165 clock hours) of clinical practice. Prerequisites: NURSE 547W, NURSE 548, NURESE 550 Co-requisite: NURSE 549

5 hrs

NURSE 5566 F PRIMARY CARE OF FAMILIES III

This course is designed to provide students with the opportunity to apply knowledge from previous family nurse practitioner courses to advanced primary care nursing of individuals and families across the life span. The focus of the course is on the application of the nursing process in the differentiation and therapeutic management of stable chronic health problems encountered by family nurse practitioners in the primary health care setting. Emphasis is on the integration of advanced nursing concepts and pharmacokinetic principles in the care of individuals and families. Core content includes stress and coping, adaptation, pain management, and grief and loss. This course consists of two hours of didactic / discussion per week and 165 (2 credit hours) of clinical/lab per semester. Prerequisites: NURSE 549 and NURSE 564F

4 hrs

NURSE 5566 N NEONATAL NURSING II

This course integrates the physiologic, pharmacological, and assessment skills and principals in determining appropriate care of the ill neonate. This course covers case management of the gastrointestinal, renal, endocrine, hematologic, orthopedic, dermatolotic and immune system disorders while the concurrent course, NURSE 5566N, covers the respiratory, cardiovascular and neurologic disorders.Current research and evidence based practices are used as the course framework. The effects of clinical conditions on the growth and development of the neonate, including subsequent chronic health problems as well as the short and long term consequences to the child's family are emphasized. The use of specific interventions and diagnostic procedures are demonstrated and applied in laboratory / clinical settings during the forty hours of required clinical activities. This three credit hour course consists of two hours of didactic / discussion and one hour of clinical experience consisting of laboratory, clinical seminars, clinical observation and practice. Prerequisite: NURSE 5594N, Corequisite: NURSE 5566N

3 hrs

NURSE 5566 NP ADULT NURSE PRACTITIONER HEALTH CARE NURSING III

This course is designed to prepare adult clinical nurse practitioner (NP) students in the care and management of adults populations with chronic health problems. The focus of the course is on the differentiation and therapeutic management of chronic health problems encountered by adult NPs in various health care settings. Emphasis is given to those health issues commonly encountered by adult NPs. The course enables students develop a research and theory based practice for disease state management of health care for adults. Core content: theoriesgrief and loss, chronicity, and pain; advanced nursing skills. This course consists of 2 credit hours of lecture/discussion and 2 credit hours of clinical experience. The 2 credit hours of clinical experience consists of 165 hours. Clinical practice and clinical seminar comprise the clinical experience.

4 hrs

NURSE 5566 PC CHRONIC CHILD HEALTH CARE

This course is designed to provide students with the opportunity to apply knowledge and skill from advanced assessment, pathophysiology, pharmacology, health promotion, research and theory to advanced nursing care of patients and families experiencing complex or chronic health problems. Emphasis is placed on using models and theories that guide advanced practice and on determining the current research base on nursing assessment and management in several specific areas of knowledge. The organizing framework for this course is case management of chronic health states. Students will apply several theoretical models to acute and chronic health states of children at various developmental stages representing various socioeconomic and cultural groups, either in primary or specialized care settings. Core concepts are stress and coping, adaptation, pain management, grief and loss, nutritional support, ethical decision-making, case management, and symptom management. This course will consist of 2 credit hours of lecture/seminar plus 165 hours (2 credit hours) of clinical practice. Prerequisite: NURSE 564PC.

4 hrs

NURSE 5566 W CARE OF THE CHILDBEARING WOMAN

This course will focus on norman adaption and pathologic alterations throughtout the childbearing period. Emphasis is placed on caring for women and families from preconception through the puerperium. Concepts, theories and research related to the biopsychosocial and cultural aspects of childbearing will be addressed. Utilization of models and theories that guide advanced nursing practice will be the organizing framework for the course. Core concepts include adaptation, stress and coping, grief and loss, pain and symptoms management. This course will consist of 2 credit hours of lecture/seminar plus 2 credit hours of clinical practice. Prerequisite: N564PW-Primary Health Care of Women or Equivalent

4 hrs

NURSE 5572 ADVANCED NURSING PRACTICE: SYNTHESIS PRACTICUM

This course is a concentrated, experiential opportunity to function in an advanced practice nursing role of clinical nurse specialist, nurse practitioner, integrating clinical and functional role activities within a chosen setting. Core concepts include advanced nursing practice, functional role responsibilities and activities with emphasis on their relationship to patient outcomes. This course will entail 330 hrs of clinical/conferences (3-4 hours)and one hour didactic content for the semester. Prerequisites: All required courses except NURSE 598 / NURSE 599

5 hrs

NURSE 5572 II PRECEPTORSHIP II

This course provides oppertunities to apply knowledge and skills from advanced nursing role, theory, research and noenatal clinical courses to the advances therapeutic management of hish-risk neonates. This is the first of two preceptorships courses. The other course, NURSE 5572NI, can be taken concurrently or in consectuive semesters. Emphasis is placed on therepeutic measures within a conceptual framework or model applying findings from research relevant to comprehensive care of neonates. The client system will be the neonate and family. This course consists of five credit hours of clinical experiences consiting of a minimum of 300 hours of pratice and clinical seminars.Pre or Co-requisites: NURSE 5572NI

5 hrs

NURSE 5572 NA ADVANCED NURSING PRACTICE: SYNTHESIS PRACTICUM

This course is designed to afford the student a concentrated, experiential opportunity to function in the role she/he has chosen to pursue professionally. This course consists of nine hours of clinical experience per week and a conference every other week. Prerequisites: All courses except NURSE 598 / NURSE 599.

3 hrs

NURSE 5572 NE ADVANCED NURSING PRACTICE: SYNTHESIS PRACTICUM

This course is designed to afford the student a concentrated, experiential opportunity to function in the role she/he has chosen to pursue professionally. This course consists of nine hours of clinical experience per week and a group conference every other week. Prerequisites: All courses except NURSE 598 / NURSE 599.

3 hrs

NURSE 5572 NI **PRECEPTORSHIP I**

This course provides opportunities to apply knowledge and skills from advanced nursing role, theory, research and neonatal clinical courses to the advanced therapeutic management of high-risk neonates. This is the first of two preceptorships courses. The other course, NURSE 5572NII, can be taken concurrently or in consecutive semesters. Emphasis is placed on therapeutic measures within a conceptual framework or model applying findings from research relevant to comprehensive care of neonates. The client system will be the neonate and family. This course consists of five credit hours of clinical experiences consisting of a minimum of 300 hours of practice and clinical seminars.Prerequisites: NURSE 5564N, NURSE 5566N

5 hrs

NURSE 5587 **RESEARCH UTILIZATION IN NURSING**

This course will prepare nurses to implement a research utilization model to validate practice. The theoretical basis for research utilization and practical instances of its application in nursing will be examined. Opportunities will be provided to develop a research utilization plan to address a clinical area of practice. Prerequisites: NURSE 550, NURSE 555

3 hrs

NURSE 5597 A **INDEPENDENT STUDY IN NURSING/PATIENT CARE-ELECTIVE**

Guided study of selected topics and/or areas in nursing and/or patient care. Prerequisites: NURSE 550 and permission of faculty.

1-6 hrs

NURSE 5597 B **INDEPENDENT STUDY IN NURSING/PATIENT CARE-EQUIVALENT**

Guided study of selected topics and/or areas in nursing and/or patient care. Prerequisites: NURSE 550 and permission of faculty.

1-6 hrs

NURSE 5597 CD **INDEPENDENT STUDY IN NURSING/PATIENT CARE-ELECTIVE**

Guided study of selected topics and/or areas in nursing and/or patient care. Prerequisites: NURSE 550 and permission of faculty.

1-6 hrs

NURSE 5597 D **INDEPENDENT STUDY IN NURSING**

1-6 hrs

NURSE 5597 E **INDEPENDENT STUDY IN NURSING**

1-6 hrs

NURSE 5597 EC **INDEPENDENT STUDY IN NURSING**

1-6 hrs

NURSE 5597 HP **INDEPENDENT STUDY IN NURSING**

1-6 hrs

NURSE 5597 IH **INDEPENDENT STUDY IN NURSING/PATIENT CARE-EQUIVALENT**

1-6 hrs

NURSE 5597 NE **INDEPENDENT STUDY IN NURSING/PATIENT CARE-ELECTIVE**

Guided study of selected topics and/or areas in nursing and/or patient care. Prerequisites: NURSE 550 and permission of faculty.

1-6 hrs

NURSE 5597 PP **INDEPENDENT STUDY IN NURSING**

1-6 hrs

NURSE 5597 PV **INDEPENDENT STUDY IN NURSING**

1-6 hrs

NURSE 5597 RA **INDEPENDENT STUDY IN NURSING**

1-6 hrs

NURSE 5597 WV **INDEPENDENT STUDY IN NURSING**

1-6 hrs

NURSE 5598 **DIRECTED RESEARCH**

Individual research project for students to utilize beginning research skills in designing and conducting independent studies under the direction of the faculty. Prerequisites: NURSE 550,NURSE 555 and permission of faculty.

1-6 hrs

NURSE 5599 **RESEARCH THESIS**

Individual study under the direction of a member of the faculty leading to the preparation and oral defense of a thesis. Prerequisites: NURSE 550,NURSE 555 and permission of faculty.

1-9 hrs

NURSE 5600 **DOCTORAL SEMINAR**

This one credit hour four semester seminar course is designed to assist doctoral students in the process of socialization into a community of scholars. In a colloquium structure, students are exposed to and respond to current issues in nursing research. These issues are presented as discussion topics and in the context of responding to their colleaguescholars' research activities and issues. Content may include such issues and concerns as theoretical models for research and education; collaboration and interdisciplinary research efforts; and the appraisal, interpretation and dissemination of research findings. Additional topics may include the processes undertaken in the submission of research proposals (e.g. IRB review, grant writing, peer review, etc.). Prerequisites: Admission to the Doctor of Philosophy in Nursing program.

1 hr

NURSE 5602 **HEALTHCARE SYSTEMS & LEADERSHIP**

This course focuses on the DNP as leader within the complex health care industry. An in depth study of the socio-political, economic, cultural and historical background of the American health care system and the system of health professions will form the foundation for exploration of leadership needs and the DNP leadership role.Prerequisites: Admission to the DNP program

3 hrs

NURSE 5605 **PHILOSOPHY OF SCIENCE IN NURSING**

An overview of philosophy and the history of science are briefly reviewed as the foundation for the rise of modern science. Issues specific to scientific knowledge are discussed, including how scientific knowledge is achieved, supported, and changed. The nature of science will then be addressed through the dialogue of competing philosophical perspectives, such as logical positivism, historicism and poststructuralism. Finally, contemporary nursing science, and its future are explored. Context topics include philosophic inquiry vs. scientific inquiry; the nature of truth, explanation, observation, confirmation, acceptance; and the roles of gender, culture and values in science. Prerequisite: Admission to the Doctor of Philosophy in Nursing Program or permission of the instructor.

3 hrs

NURSE 5606 **HEALTHCARE POLICY & ADVOCACY**

The focus of this course is the integral relationship between health care policy and advocacy as an advanced practice nurse.Prerequisites: Admission into DNP in Nursing program

3 hrs

NURSE 5608 **THEORY DEVELOPMENT IN NURSING I**

Selected readings in philosophy of science will be used as the context for exploring the philosophical underpinnings of nursing and the rise of nursing science. Students will discuss how changes and shifts occur in paradigms,world views,and bodies of knowledge. The discipline of nursing and the relationship among nursing theory,research,and practice will be discussed. Integration of theory into the development of research-based nursing knowledge will be explored,with emphasis on empirical evidence, hypothesis development,study design, research design,and translation into clinical practice. Prerequisites:12 credit hours of master's level coursework, including theory

3 hrs

NURSE 5610 **THEORY DEVELOPMENT IN NURSING II**

Nursing and non-nursing models,frameworks and theories will be analyzed and critically evaluated using a variety of criteria. Students will identify the range of applicable theories for their area of research. Appropriate application of theories to independent and dependent variables,mediators, moderators,cofactors,correlates,and outcomes will be explored. Students will develop hypotheses,research goals and objectives that extend the implications and application of an identified theory in clinical nursing practice.

3 hrs

NURSE 5614 **HEALTH POLICY & ETHICS**

This course examines health policy and ethics as they intersect with other public policies. Legal, financial, and ethical issues associated with policy development and evaluation are critically examined. Prerequisites: Admission into the PhD in Nursing Program or permission of instructor.

2 hrs

NURSE 5622 **STATISTICS II**

This graduate statistics on-line course is designed to provide a conceptual understanding of the statistical procedures associated with: advanced multiple regression; moderators and mediators in multiple regression; path analysis; logistic regression; factor analysis; MANCOVA; MANOVA; cluster analysis; and canonical correlation.Prerequisites: Statistics I

3 hrs

NURSE 5630 HEALTH CARE SYSTEMS

This course is a guided, in-depth exploration, analysis and evaluation of selected health care systems literature. Other nursing literature will be reviewed as appropriate. Prerequisites: Admission into PhD in Nursing program or permission of instructor. Offered: Every Summer

3 hrs

NURSE 5631 HEALTH PROMOTION & PROTECTION

This course is a guided, in-depth exploration, analysis and evaluation of selected health promotion and protection literature. Other nursing literature will be reviewed as appropriate. Prerequisites: Admission into PhD in Nursing program or permission of instructor.

3 hrs

NURSE 5632 HEALTH RESTORATION & SUPPORT

This course is a guided, in-depth exploration, analysis and evaluation of selected health restoration & support literature. Other nursing literature will be reviewed as appropriate. Prerequisites: Admission into PhD in Nursing program or permission of instructor Offered: Every Fall

3 hrs

NURSE 5662 PSYCHOMETRICS

This course focuses on application of psychometric theories and practices related to instrumentation in nursing research. The basic methodologies and techniques for constructing, testing, and evaluating instruments will be discussed and applied by students. Content will focus on theoretical foundations of measurement, item construction, instrument design, item analysis, validity and reliability assessment. Criteria for evaluating existing instruments will also be discussed. Prerequisites: Permission of the instructor.

3 hrs

NURSE 5668 QUANTITATIVE RESEARCH

Quantitative reserach methods used to build nursing's body of knowledge are explored. Experimental, quasi-experimental, and correlational designs and clinical trials are analyzed. Emphasis is placed on design, data generation, analysis, and dissemination of findings. Issues pertaining to the use of quantitative methods will also be explored. Prerequistes: PSYCH 516 (or equivalent) N610 Theory Development in Nursing II, or permission of instructor.

3 hrs

NURSE 5670 QUALITATIVE RESEARCH METHODS

Qualitative research methods used to build nursing's body of knowledge are explored in this seminar course. Emphasis is placed on design, data generation and analysis, and dissemination of findings. Issues regarding qualitative research are identified and analyzed. Prerequisite: Admission to the Doctor of Philosophy in Nursing program or permission of instructor.

3 hrs

NURSE 5676 RESEARCH PRACTICUM

The research practicum is a structured educational activity that is preparatory to formal initiation of the dissertation process and typically takes place as the last course. The focus of the activity is on refining the skills required by an individual student to conduct the dissertation research. The precise structure of and the credit awarded for the research practicum is determined by the student's program committee. Prerequisites: Permission of the student's program committee.

3-6 hrs

NURSE 5694 DIRECTED READINGS

Intensive readings in an area selected by the graduate student in consultation with the instructor. By the end of the semester, the student will be prepared to: 1. Analyze selected readings in relation to the context of the dissertation. 2. Integrate selected readings into the development of the dissertation.

1-3 hrs

NURSE 5697 A SPECIAL TOPICS NURSING ELECTIVE

This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

1-6 hrs

NURSE 5697 B SPECIAL TOPICS NURSING-EQUIVALENT

This course will cover guided study of course equivalent topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing program Offered: On Demand

1-6 hrs

NURSE 5697 RESPONSIBLE CONDUCT OF RESEARCH: HUMAN SUBJECTS RESEARCH

HS

1 hr

NURSE 5697 P SPECIAL TOPICS NURSING ELECTIVE

This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into Ph.D. Nursing Program Offered: On Demand

1-6 hrs

NURSE 5697 **Special Topics Nursing**

PA

1-6 hrs

NURSE 5697 S **Special Topics Nursing Elective**

This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

1-6 hrs

NURSE 5697 S **Special Topics Nursing Elective**

This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into Ph.D. in Nursing Program Offered: On Demand

1-6 hrs

NURSE 5697 SI **Special Topics Nursing Elective**

This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

1-6 hrs

NURSE 5697 SL **Special Topics Nursing Elective**

This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

1-6 hrs

NURSE 5697 SL **Special Topics Nursing Electives**

This course consists of the guided study of special topics in areas of nursing theory and/or research. Prerequisite: Admission into PhD in Nursing Program Offered: On Demand

1-6 hrs

NURSE 5699 **Dissertation Research**

Individual directed research leading to preparation and completion of doctoral dissertation.

1-12 hrs

NURSE 5899 **Required Graduate Enrollment**

1 hr

School of Pharmacy

School of Pharmacy Courses Pharmacy (PHARM)

PHARM 5507 **Basic Pharmacology**

Basic pharmacological concepts and important classes of pharmacologic agents. Prerequisites: Human anatomy, physiology and biochemistry. Fall, each year.

3 hrs

PHARM 5509 **Basic Toxicology**

Principles of general toxicology and toxicology of industrial and household chemicals, agricultural agents, social poisons, and selected therapeutic agents. Prerequisites: Human Anatomy, Physiology, Biochemistry and PHARM 507 or PHARM 519. Offered: Fall, each year.

3 hrs

PHARM 5515 **Drug Absorption, Distribution, Metabolism And Excretion**

A course dealing with the absorption, physiologic distribution, metabolism and excretion of drugs and other organic compounds and factors which influence these events. Three hours lecture a week. Fall, odd year.

3 hrs

PHARM 5519 **Pharmacology I**

Pharmacology of medicinals with emphasis on basic concepts, the autonomic nervous system, and cardiovascular agents. Four hours lecture per week. Prerequisite: Human anatomy, physiology and biochemistry. Offered: Fall.

4 hrs

PHARM 5520 PHARMACOLOGY II

Pharmacology of medicinals with emphasis on chemotherapeutic agents, drugs acting on the renal system, and drugs for endocrine disorders. Four hours lecture per week. Prerequisite: PHARM 519. Offered: Winter.

5 hrs

PHARM 5521 ADVANCED ORGANIC MEDICINAL CHEMISTRY

Chemistry, physiochemical properties, mechanism of action and structure-activity relationships of organic drug molecules. Fall, odd years.

3 hrs

PHARM 5527 ANALYTICAL METHODS

A detailed study of the methods used to detect, identify, and quantitate drugs, small molecules, enzymes, proteins, and biological molecules. The statistical foundation, core concepts, and practical implementation of analytical methods are areas of emphasis. State-of-the-art instrumentation and recent technological developments are also presented, including biotechnology based methods such as proteomics methods and quantitative PCR. Prerequisites: Two hours of lecture and three hour demonstration/laboratory a week. Offered: Fall

3 hrs

PHARM 5531 PHYSICAL PHARMACY EQUILIBRIA

Advanced principles of aqueous solutions, acid-base equilibria, solubility and complexation. Mathematical solutions and state-of-the-art research applications. Three hours lecture a week. Prerequisite: B.S. in Pharmacy Permissions of instructor. Winter, even years.

3 hrs

PHARM 5533 BIOPHARMACEUTICS AND PHARMACOKINETICS

Study of (1) the kinetics of absorption, distribution, and elimination of drugs and the relationship of kinetic parameters to dosage form, biological factors, and dosage regimen; (2) the development of various models for pharmacodynamic-pharmacokinetic correlations. Four hours lecture. Prerequisite: MATH 345 (Ordinary Differential Equations) or equivalent. Fall, even years.

4 hrs

PHARM 5550 STABILITY OF PHARMACEUTICALS

The course provides instruction in the processes responsible for instability of pharmaceuticals. Course content includes, but is not limited to, instability due to light, oxygen, and metal ions; the effect of temperature on the rate of drug decomposition; the effect of dielectric constant and ionic strength on degradation; and physical and chemical instability of newer polypeptide drugs. In addition, practical strategies to prevent instability of the active compound and excipients used in pharmaceutical formulations is provided. Prerequisites: MATH Calculus (required) & Ordinary Differential Equations (recommended); Course Grade of "B" or better in both PHARM 202 and PHARM 203; Restriction: Consent of instructor Offered: Fall semester even-numbered year.

3 hrs

PHARM 5555 RELIGION, CULTURE AND HEALTH

This course addresses the impact of religious beliefs on the culture practices of contemporary society, and aims at examining the relationship between these beliefs, modern sciences and health. It will be offered to all students, in Fall semesters. No prerequisites. Offered: Every Fall

3 hrs

PHARM 5580 A SEMINAR IN PHARMACEUTICAL SCIENCES

Enrollment and participation required of all graduate students in the School of Pharmacy during each semester of graduate study. One hour each week. This course is graded on a credit/ no credit basis. Offered: Fall and winter.

1 hr

PHARM 5580 C SEMINAR IN PHARMACOLOGY/TOXICOLOGY

Enrollment and participation required of all graduate students in the School of Pharmacy during each semester of graduate study. Credit/no credit. One hour each week. Fall & winter.

1 hr

PHARM 5590 A SPECIAL TOPICS PHARMACY

1-3 hrs

PHARM 5590 B SPECIAL TOPICS PHARMACEUTICAL CHEMISTRY

1-3 hrs

PHARM 5599 A RESEARCH AND THESIS PHARMACY

1-9 hrs

PHARM 5599 B **Research And Thesis Pharmaceutical Chemistry**

1-9 hrs

PHARM 5599 C **Research And Thesis Pharmacology**

1-9 hrs

PHARM 5606 **Biochemical Toxicology**

Recent advances in organ-specific toxicity and the mechanisms of toxicity of drugs and environmental chemicals. Prerequisite: Consent of instructor. Winter, odd years.

3 hrs

PHARM 5615 **Methods In Pharmacology And Toxicology**

Exposure to some of the techniques employed in research in pharmacology and toxicology. One hour conference and six hours laboratory per week. Prerequisite: Permission of instructor.

3 hrs

PHARM 5616 **Molecular Toxicology**

Study of the molecular mechanisms of toxicity with emphasis on receptor theory and quantitative structure activity relationships. Three hours lecture or discussion a week. Prerequisites: PHARM 510 and PHARM 515 or permission of instructor. Winter, even years.*

3 hrs

PHARM 5625 **Synthetic Medicinal Chemistry**

Medicinal chemicals are considered as to their synthesis and structure-activity requirements as well as to current research and technology in the area. Offered on demand.*

3 hrs

PHARM 5631 **Pharmaceutical Formulations I**

Advanced theory and practice of Pharmaceutical formulations including classical and current research. This course will introduce the principles of biomaterial based drug delivery systems and unify knowledge from the fields of biology, materials science, and pharmaceuticals. Prerequisites: B.S in Pharmacy. Offered: Fall, odd years.*

3 hrs

PHARM 5632 **Novel Drug Delivery Systems**

The course offers up-to-date information about drug transport mechanisms and drug absorption processes across various absorptive membranes ie., buccal, nasal, dermal, corneal, pulmonary, and oral mucosae. The course material has been designed to provide current ideas and thinking about gene delivery, drug targeting to tumor cells and lipid and carrier mediated drug delivery. It provides unique information about cell culture models as a predictor of drug delivery as well as physical chemistry of surfaces in various microparticulates and lipid emulsion systems.

3 hrs

PHARM 5633 **Receptor Pharmacology And Signal Transduction**

Molecular characterization of drug receptors involving quantitative description of functional studies with agonists and antagonists and binding of ligands to receptors; the molecular structure of receptors and the signaling systems that couple receptors to their pharmacologic functions. Prerequisites: Biochemsitry 561/562 and/or PHARM 519/520. Offered: Every other Winter Other: When we have enough students willing to take course on demand.

3 hrs

PHARM 5645 **Cancer Biotechnology I**

This course is designed to provide a basic understanding of tumor progression, molecular events and signaling mechanisms underlying tumor formation. Epidemiological approaches, etiology, and current methods of detection and diagnosis of cancer will be discussed. Current pharmacological management strategies of cancer and future therapeutic interventions will also be reviewed. Prerequisite: BIOLOGY 202 or equivalent. Fall, even years.

3 hrs

PHARM 5646 **Cancer Biotechnology**

Cancer Biotechnology II will focus on gene regulation of cancer cells with specific pharmaceutical agents. The course will target chemotherapeutic agents and examine current technology in gene therapy. Antisense and ribozyme DNA will also be discussed. Prerequisites: PHARM 645 and Cancer Biotechnology I. Winter, odd years.

3 hrs

PHARM 5690 B **Special Topics Pharmaceutical Chemistry**

1-3 hrs

PHARM 5690 BB **Special Topics Toxicology**

1-3 hrs

PHARM 5690 C **Special Topics Pharmacology**

1-3 hrs

PHARM 5699 A **Research And Dissertation - Pharmacy**

1-16 hrs

PHARM 5699 B **Research And Dissertation Pharmaceutical Chemistry**

1-16 hrs

PHARM 5699 BB **Research And Dissertation Toxicology**

1-16 hrs

PHARM 5699 C **Research And Dissertation Pharmacology**

1-16 hrs

PHARM 5899 **Required Graduate Enrollment**

1 hr

School of Computing & Engineering

School of Computing & Engineering Courses Computer Science (CS)

COMP-SCI 5510 **Information Theory**

Representation, transmission and transformation of information, information compression and protection, generation, storage, processing and transmission of information. Prerequisite: BS in Computer Science, Engineering, or Mathematics.

3 hrs

COMP-SCI 5511 **Advanced Telecommunications Networks**

Efficient source coding and channel coding techniques, principles of switching, digital transmission over microwave, copper and optical media, T-carrier and SONET systems, traffic consideration in telecommunications networks, network synchronization, control and management, ATM concepts. Prerequisite(s): COMP-SCI 394R and COMP-SCI 411.

3 hrs

COMP-SCI 5513 **Digital Cellular Communications**

Principles of microwave communications, performance metrics, mobile communications and cellular topology, co-channel and adjacent channel interference, fading and shadowing, various types of diversity, TDMA, FDMA and CDMA and other techniques for channel assignment, cellular network architectures, design considerations, PCN concepts. Prerequisite COMP-SCI 411.

3 hrs

COMP-SCI 5514 **Optical Fiber Communications**

Fiber optic cable and its characteristics, optical sources and transmitters, optical detectors and receivers, optical components such as couplers and connectors, WDM and OFDM techniques, modulation and transmission of information over optical fibers, design of optical networks, single and multihop fiber LANs, optical carrier systems. Prerequisite: COMP-SCI 411.

3 hrs

COMP-SCI 5514 A **Optical Networking**

Components of optical networks such as OADM, OXC, optical switches, DWDM, and their functions and interactions. Design, analysis and routing over all-optical networks to include waveband, wavelength and lightpath routing. Prerequisite: COMP-SCI 411

3 hrs

COMP-SCI 5517 **Digital Switching: Techniques And Architectures**

Integration of transmission and switching, single and multistage switching principles, space and time division switching, conventional switch architectures such as 4ESS, integration of circuit and packet switching, ATM switching and design considerations, ATM switch architectures, evaluation and comparison, future trends. Prerequisite(s): COMP-SCI 394R and COMP-SCI 411.

3 hrs

COMP-SCI 5520 NETWORK ARCHITECTURE I

Principles, protocols, and architectures of data networks, internetworking, routing, layering, and addressing, with specific investigation of the Internet Protocol (IP), Mobile IP, Multiprotocol Label Switching (MPLS), IP over Asynchronous Transfer Mode (ATM) networks, and virtual private networks. Prerequisite: COMP-SCI 420 or COMP-SCI 421, COMP-SCI 431.

3 hrs

COMP-SCI 5521 NETWORK ARCHITECTURE II

Principles, protocols and architectural issues of computer networks for transport layer and above, with specific emphasis on TCP/IP for best-effort services as well as for emerging multi-media services. Prerequisite: COMP-SCI 520

3 hrs

COMP-SCI 5522 COMPUTER NETWORK DESIGN AND ANALYSIS

Topological design, capacity and flow assignment problem-modeling and algorithms, and their analysis, issues in network control. Prerequisite(s): CS 352, COMP-SCI 394R, COMP-SCI 421.

3 hrs

COMP-SCI 5524 PROTOCOL DESIGN

Protocols as formal algorithms, architectural definition, protocol specification languages and models and their translation to implementation languages, overview of verification methods, symbolic execution. Prerequisite: COMP-SCI 421.

3 hrs

COMP-SCI 5526 NETWORK ROUTING

Algorithms, protocols and analysis for network routing. Routing in different networks such as circuit-switched networks, Internet, broadband networks, and transmission networks are covered. Prerequisites: COMP-SCI 520 and COMP-SCI S522.

3 hrs

COMP-SCI 5528 LOCAL AREA NETWORKS: ANALYSIS AND DESIGN

Definition of local area networks (LAN), LAN architecture and protocols, topology, transmission media, channel access protocols, modeling, simulation and performance evaluation of LANs, considerations in design and implementation, examples. Prerequisite: COMP-SCI 421 and COMP-SCI 494R.

3 hrs

COMP-SCI 5531 ADVANCED OPERATING SYSTEMS

Components of an operating system, scheduling/routing mechanisms, process control blocks, design and test various operating system components. Prerequisite: COMP-SCI 431.

3 hrs

COMP-SCI 5532 DISCRETE EVENT SIMULATION

Review of statistical distributions, generation of pseudorandom variates and stochastic processes, basic queueing systems such as M/M/m and Jackson Networks, simulation project. Prerequisite: COMP-SCI 5594.

3 hrs

COMP-SCI 5551 ADVANCED SOFTWARE ENGINEERING

Current concepts in software architecture and design, comparative analysis for design, object-oriented software design, software quality criteria for evaluation of software design. Introduction to metrics, project management and managerial ethics. Prerequisite: COMP-SCI 451.

3 hrs

COMP-SCI 5552 ADVANCED DATA STRUCTURES

Formal modeling including specification and deviation of abstract data types, completeness issues in the design of data types and data structures, implementation of data structures from a formal data type specification, verification of abstractto concrete data mapping. Prerequisite(s): COMP-SCI 291 and COMP-SCI 352.

3 hrs

COMP-SCI 5552 A FORMAL SOFTWARE SPECIFICATION

Formal modeling including specification and deviation of abstract data types, completeness issues in the design of data types and data structures, implementation of data structures from a formal data type specification, verification of abstract to concrete data mapping. Prerequisite(s): CS291 and CS 352.

3 hrs

COMP-SCI 5554 SOFTWARE TOOLS AND PROGRAMMING ENVIRONMENTS

Taxonomy of software tools and environments, generic software tool architecture, interface techniques for users, intra-system and stand-alone systems, integration of heterogeneous systems components. Prerequisite: COMP-SCI 451.

3 hrs

COMP-SCI 5556 HUMAN FACTORS IN COMPUTER SYSTEMS

Design of "user friendly" man-machine interface, survey of recent psychological studies in man-machine interaction, user interface design, instrumentation and testing, analytic models of man-machine interaction. Prerequisite: COMP-SCI 451.

3 hrs

COMP-SCI 5560 KNOWLEDGE DISCOVERY AND MANAGEMENT

This course teaches students fundamental theory and practice in the field of knowledge discovery and management and also provides them with hands-on experience through application development. Prerequisites: COMP-SCI 5551, and either COMP-SCI 461 or COMP-SCI 464 Offered: Every Winter

3 hrs

COMP-SCI 5561 ADVANCED ARTIFICIAL INTELLIGENCE

AI systems and their languages, implementations and applications, case studies of various expert systems, current research topics in AI, logic programming using PROLOG. Prerequisite: COMP-SCI 461.

3 hrs

COMP-SCI 5564 INFERENCE TECHNIQUES AND KNOWLEDGE REPRESENTATION

Inference Techniques is an in-depth course of logic and automatic theorem proving, intended for Computer Science graduate students, with particular importance to those students interested in Artificial Intelligence. The main areas of study will be concerned with the principals and techniques used for automatic theorem proving. An overview of the representation of knowledge and logic, a detailed appreciation of theorem proving methods, and implementation techniques will be provided in the course. The course will provide background for further study in varying fields of A.I. Prerequisite: COMP-SCI 461 or consent of instructor.

3 hrs

COMP-SCI 5566 INTRODUCTION TO BIOINFORMATICS

This course introduces students to the field of Bioinformatics with a focus on understanding the motivation and computer science behind existing Bioinformatic resources, as well as learning the skills to design and implement new ideas. Offered: Every Fall Prerequisites: COMP-SCI 352 and a course/background in Biology (Genomics or etaModels preferred.)

3 hrs

COMP-SCI 5567 MACHINE LEARNING IN BIOINFORMATICS

This course introduces students to the field of Machine Learing algorithms that are used in Bioinformatics, illustrated by several examples of applications to various problems. Offered: Every Winter Prerequisites: COMP-SCI 352, COMP-SCI 394R and a course/background in Biology (Genomics or MetaModels preferred.)

3 hrs

COMP-SCI 5570 ARCHITECTURE OF DATABASE MANAGEMENT SYSTEMS

Covers in detail, architecture of centralized database systems, database processing, management of concurrent transactions, query processing, query optimization, data models, database recovery, datawarehousing, workflow, World Wide Web and Database performance, and reviews the architecture of some commercial centralized database systems. Prerequisites: COMP-SCI 470 and COMP-SCI 431, or consent of instructor.

3 hrs

COMP-SCI 5572 MOBILE COMPUTING

This course covers in detail the architecture of mobile and wireless network. It discusses and develops reveland concepts and algorithms for building mobile database systems (MDS), which is necessary for managing information on the air and E-commerce. This course is offered once a year. Prerequisite: COMP-SCI 5570 Offered: Every Fall

3 hrs

COMP-SCI 5575 ADVANCED COMPUTER GRAPHICS

Review of transformations, 3D viewing, curve fitting in 3D, generation of surfaces, hidden surface elimination, scan-line coherence, rigid solid representation, shading, color theory. Prerequisite: COMP-SCI 475.

3 hrs

COMP-SCI 5581 PARALLEL COMPUTER ARCHITECTURE I

Parallelism in computer architecture, pipelined processors, array processors and multi-processor systems, algorithms for SISD, SIMD, MISD and MIMD organizations, vectorization, pipelining algorithms. Prerequisite: COMP-SCI 481.

3 hrs

COMP-SCI 5590 SPECIAL TOPICS

Selected topics in specific areas of computer science. May be repeated for credit when the topic varies.

1-3 hrs

COMP-SCI 5590 AB SPECIAL TOPICS

1-3 hrs

COMP-SCI 5590 AC **Special Topics**

1-3 hrs

COMP-SCI 5590 BI **Special Topics**

1-3 hrs

COMP-SCI 5590 CA **Special Topics**

1-3 hrs

COMP-SCI 5590 CD **Special Topics**

1-3 hrs

COMP-SCI 5590 **Special Topics**
CI

1-3 hrs

COMP-SCI 5590 DA **Special Topics**

1-3 hrs

COMP-SCI 5590 DM **Special Topics**

1-3 hrs

COMP-SCI 5590 KB **Special Topics**

1-3 hrs

COMP-SCI 5590 MB **Special Topics**

1-3 hrs

COMP-SCI 5590 NM **Special Topics**

1-3 hrs

COMP-SCI 5590 O **Special Topics**

1-3 hrs

COMP-SCI 5590 OP **Special Topics**

1-3 hrs

COMP-SCI 5590 OS **Special Topics**

1-3 hrs

COMP-SCI 5590 PC **Special Topics In Computer Science**

1-3 hrs

COMP-SCI 5590 **Special Topics**
PR

1-3 hrs

COMP-SCI 5590 **Special Topics Computer Science**
SK

1-3 hrs

COMP-SCI 5590 WW **SPECIAL TOPICS**

1-3 hrs

COMP-SCI 5590 XX **SPECIAL TOPICS**

1-3 hrs

COMP-SCI 5591 **CONCURRENCY MODELS**

Concurrency control constructs, P/V primitives, cobegin/coend, monitors, message transmission, rendezvous systems, underlying mathematics of concurrent systems, Petri Nets, liveness (deadlock), reachability, boundedness, invariants, system modeling. Prerequisite: COMP-SCI 431 and COMP-SCI 493.

3 hrs

COMP-SCI 5592 **DESIGN AND ANALYSIS OF ALGORITHMS**

Combinatorial analysis, searching and sorting, shortest path algorithms, spanning trees, search and traversal techniques, backtracking, branch and bound, heuristics, algebraic simplification and transformation. Prerequisite: COMP-SCI 352.

3 hrs

COMP-SCI 5594 **INTRODUCTION TO QUEUEING THEORY**

Review of statistics and probability, stochastic processes, Markov Processes, the basic Poisson process, equilibrium conditions, M/M/1 system with variations local and global balance in networks of queues, open and closed networks. Prerequisite: COMP-SCI 494R.

3 hrs

COMP-SCI 5595 **MATHEMATICAL FOUNDATIONS OF COMPUTER SCIENCE**

Study of the theory, and algorithmic techniques, of the fields of graph theory, combinatorics and number theory, as they relate to their application in the field of computer science. Prerequisite: COMP-SCI 352 and COMP-SCI 494R, or Consent of Instructor.

3 hrs

COMP-SCI 5596 A **COMPUTER SECURITY I: CRYPTOLOGY**

Study of theory, and algorithmic techniques, of the fields of number theory and cryptology, as they are applied in the general area of computer and network security. Prerequisites: CS291.

3 hrs

COMP-SCI 5596 B **COMPUTER SECURITY II: APPLICATIONS**

Application of the algorithmic techniques learned in CS 596A to provide suitable security countermeasures to the variety of security threats across the spectrum of computing. Prerequisite: COMP-SCI 596A.

3 hrs

COMP-SCI 5597 **DIRECTED READINGS**

Readings in an area selected by the graduate student in consultation with a faculty member. Arrangements must be made prior to registration.

1-3 hrs

COMP-SCI 5598 **RESEARCH SEMINAR**

Graduate research based on intensive readings from the current research literature under the direction of a faculty member. Arrangements must be made prior to registration.

1-3 hrs

COMP-SCI 5599 **RESEARCH AND THESIS**

A project investigation leading to a thesis, or written report under the direction of a faculty member. A prospectus must be accepted prior to registration.

1-6 hrs

COMP-SCI 5622 **ADVANCED NETWORK ANALYSIS**

Design and analysis of data networks, comparative analysis of capacity and flow strategies, time-delay/cost trade offs, concentration and buffering in store and forward networks, random access techniques, pure, slotted and reservation type Aloha schemes, carrier sense multiple access. Prerequisite: COMP-SCI 5522.

3 hrs

COMP-SCI 5623 **NETWORK SIMULATION AND MODELING**

Simulation and modeling of network topologies and protocols, evaluation of the physical layer, data-link layer, network layer routing algorithms, local and long-haul networks. Prerequisite: COMP-SCI 522 and COMP-SCI 532.

3 hrs

COMP-SCI 5651 DISTRIBUTED COMPUTING FOR SOFTWARE SYSTEMS

Formal descriptions of problems encountered in distributed computing for architecture. Parameters to formal requirements, operating system support, communications support, process synchronization, and system verification, distinctions between real time and concurrent time. The nature of life cycles, project organization and use of automated tools. Prerequisites: COMP-SCI 5551, COMP-SCI 5531 OR COMP-SCI 5570.

3 hrs

COMP-SCI 5670 ARCHITECTURE OF DISTRIBUTED DATABASE SYSTEMS

Detailed study of distributed database systems architecture, in-depth study of distributed transaction management, distributed concurrency control and recovery algorithms, database distribution, distributed query optimization and analysis of database system design, and intelligent network databases. Prerequisites: COMP-SCI 5570 or consent of instructor.

3 hrs

COMP-SCI 5690 ADVANCED SPECIAL TOPICS

A lecture course presenting advanced research level topics. Prerequisite: Ph.D candidacy or consent of instructor. On demand. This course is intended to allow faculty and visiting scholars to offer special courses in selected research areas.

1-3 hrs

COMP-SCI 5694 ADVANCED QUEUEING THEORY

Non-Markovian systems such as M/G/1, G/M/1 and G/G/1, solutions of networks of non-Markovian nodes, queueing network approximate solution techniques. Prerequisite: COMP-SCI 5594.

3 hrs

COMP-SCI 5697 DIRECTED READINGS

Readings in an area selected by the doctoral student in consultation with a doctoral faculty member. Arrangements must be made prior to registration.

1-3 hrs

COMP-SCI 5698 ADVANCED RESEARCH SEMINAR

Advanced research by a group of doctoral students based on intensive readings from the current research literature under the direction of one or more doctoral faculty. Original research results of each student are exchanged by presentations and group discussion. Arrangements must be made prior to registration.

1-3 hrs

COMP-SCI 5699 A RESEARCH AND DISSERTATION RESEARCH IN COMPUTER SCIENCE

Doctoral research in computer science.

1-12 hrs

COMP-SCI 5899 REQUIRED GRAD ENROLLMENT

1 hr

INFORMATION TECHNOLOGY (IT) ELECTRICAL AND COMPUTER ENGINEERING (ECE)

E&C-ENGR 5501 AP SPECIAL TOPICS IN ELECTRICAL ENGINEERING

1-4 hrs

E&C-ENGR 5501 NN SPECIAL TOPICS IN ELECTRICAL ENGINEERING

1-4 hrs

E&C-ENGR 5512 MICROWAVE REMOTE SENSING

Basic principles of remote sensing including scattering, absorption, transmission, and reflection of microwave energy. Basic radiative transfer theory. Microwave remote sensing systems including altimeters, scatterometers, radiometers, & synthetic-aperture systems. Principle applications of remote sensing systems including imaging, atmospheric sounding, oceanographic monitoring, ice-sheet dynamics, etc. Prerequisite: E&C-ENGR 414.

3 hrs

E&C-ENGR 5516 COMPUTER NETWORKS

Concepts and goals of computer networking, structure of computer networks, OSI model and layers, network control, analysis, design and management, data communication techniques including fiber optics, WAN, MAN and LAN architecture and protocols, internetworking, case studies and hand-on studying the performance by analytic modeling and computer simulation. Prerequisite: E&C-ENGR 424 or instructor's consent.

3 hrs

E&C-ENGR 5528 DIGITAL HARDWARE SYSTEMS DESIGN

Characteristics and parameters of various hardware subsystem including main memory, auxiliary memory, arithmetic units, card equipment, etc., and principles of organization into efficient system. Prerequisite: E&C-ENGR 428.

3 hrs

E&C-ENGR 5530 DIGITAL ELECTRONICS

Electronic hardware aspects of digital systems. Includes state-of-the-art information on integrated-circuit logic devices and their applications. Prerequisite: E&C-ENGR 435 or instructor's consent.

3 hrs

E&C-ENGR 5532 BIOMEDICAL INSTRUMENTATION

Biomedical objectives, physical and engineering principles; optimal equipment design and actual performance of biomedical instrumentation; considers practical instrumentation problem solutions and unsolved problems. Prerequisite: E&C-ENGR 330 and instructor's consent.

3 hrs

E&C-ENGR 5535 HDL-BASED DIGITAL SYSTEMS DESIGN

This course covers hardware design techniques using a Hardware Description Language (HDL). It also discusses several digital system design methodologies, including structural specifications of hardware, HDL-based simulations and testbenches. Courses focus on the synthesis methodologies for use-defined primitives (UPD), data types, operators, Verilog constructs multiplexed datapaths, buses, bus drivers, FSMs, assignments, case, functions, tasks, named events and rapid protyping techniques with Verlog HDL, ASICs and FPGAs. Prerequisites: E&C-ENGR 226 (Logic Design) or consent of instructor.

3 hrs

E&C-ENGR 5536 POWER ELECTRONICS II

Circuit concepts and analysis techniques for transistor switching regulators, thyristor choppers, transistor inverters, self-commutated thyristor investers and cycloconverters. Prerequisite: E&C-ENGR 436.

3 hrs

E&C-ENGR 5568 ECONOMICS OF POWER SYSTEMS

Transmission loss formula coefficients, incremental costs and losses, economic scheduling of generation, and applications. Prerequisite: E&C-ENGR 466 and E&C-ENGR 467.

3 hrs

E&C-ENGR 5572 ANTENNAS & PROPAGATION FOR WIRELESS SYSTEMS

This course introduces the mathematical aspects of the basic antenna parameters such as vector potential, gain, directivity, impedance, radiation patterns, and develops a comprehensive theory of antenna arrays including the effects of mutual coupling. In-depth modeling studies for wire, aperture and mircrstrip antennas, is presented; diffraction of plane electromagnetic (TE and TM) waves by perfectly conducting half-planes and wedges- applications to site-specific propagation path modeling in wireless systems. Prerequisites: E&C-ENGR 412 and E&C-ENGR 341 (or their equivalents) and written communication skills; must have a knowledge of MATLAB, C or C++ for computational work. Recommended: Prior or concurrent enrollment in PHYSICS 5500.

3 hrs

E&C-ENGR 5579 DIGITAL SIGNAL PROCESSING IN TELECOMMUNICATIONS

Applications of digital signal processing in telecommunications systems; oversampling and quantization, Delta-Sigma modulation, linear predictive speech coding, adaptive filtering, echo canceller, adaptive receivers and equalizers for wireless communication, digital cellular, CDMA. Prerequisites: E&C-ENGR 474 and E&C-ENGR 480.

3 hrs

E&C-ENGR 5580 ADVANCED DIGITAL SIGNAL PROCESSING

Topics in digital signal analysis and filtering, including hardware implementation, speech synthesis and recognition, multi-dimensional transforms, random-signal concepts, design methods and computer aids to analysis and design. Prerequisite: E&C-ENGR 480.

3 hrs

E&C-ENGR 5586 PATTERN RECOGNITION

Decision functions, distance measures, minimum distance classifiers, hard clustering methods, fuzzy clustering methods, statistical pattern recognition methods, Bayesian classifiers, error probabilities, estimation of density functions, perceptrons, least-mean-square algorithms, feature selection, dimensionality reduction and syntactic pattern recognition. Prerequisites: COMP-SCI 394R or MATH 436, course in high-level programming language, some matrix theory and linear algebra or instructor's consent.

3 hrs

E&C-ENGR 5588 COMMUNICATION THEORY I

Generalized communication systems, signal processing, signals as random processes, optimum receivers. Prerequisite: A statistics course, E&C-ENGR 478, and COMP-SCI 394R

3 hrs

E&C-ENGR 5590 SPECIAL TOPICS IN ELECTRICAL AND COMPUTER ENGINEERING

1-4 hrs

E&C-ENGR 5590 AE SPECIAL TOPICS IN ELECTRICAL AND COMPUTER ENGINEERING

1-4 hrs

E&C-ENGR 5590 **Special Topics in Electrical and Computer Engineering**
AN

1-4 hrs

E&C-ENGR 5590 B **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 **Special Topics in Electrical and Computer Engineering**
BB

1-4 hrs

E&C-ENGR 5590 BE **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 **Special Topics In Electrical And Computer Engineering**
BP

1-4 hrs

E&C-ENGR 5590 C **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 CA **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 CD **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 **Special Topics in Electrical and Computer Engineering**
CI

1-4 hrs

E&C-ENGR 5590 CL **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 CS **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 DC **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 **Special Topics In Electrical And Computer Engineering**
DE

1-4 hrs

E&C-ENGR 5590 DS **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 ER **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 ES **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 **Special Topics In Electrical And Computer Engineering**
ET

1-4 hrs

E&C-ENGR 5590 IP **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 MC **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 NA **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 NN **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 NR **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 ON **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 **Special Topics In Electrical And Computer Engineering**
PD

1-4 hrs

E&C-ENGR 5590 PG **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 PL **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 PR **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 PS **Special Topics in Electrical and Computer Engineering**
Special Topics in Electrical and Computer Engineering.

1-4 hrs

E&C-ENGR 5590 RD **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 **Special Topics In Electrical And Computer Engineering**
RF

1-4 hrs

E&C-ENGR 5590 T **Special Topics In Electrical And Computer Engineering**

1-4 hrs

E&C-ENGR 5590 SPECIAL TOPICS IN ELECTRICAL AND COMPUTER ENGINEERING

WW

1-4 hrs

E&C-ENGR 5590 XX SPECIAL TOPICS IN ELECTRICAL AND COMPUTER ENGINEERING

1-4 hrs

E&C-ENGR 5597 DIRECTED READINGS

Readings in an electrical and computer engineering areas selected by the graduate student in consultation with a faculty member. Arrangements must be made prior to registration. Prerequisite: Permission of instructor

1-3 hrs

E&C-ENGR 5598 RESEARCH SEMINAR

Graduate research and/or readings in an electrical and computer engineering area selected by the graduate student in consultation with a faculty member. Arrangements must be made prior to registration. Prerequisite: Permission of instructor

1-3 hrs

E&C-ENGR 5599 RESEARCH

Independent investigation in field of electrical engineering to be presented in the form of a thesis.

1-6 hrs

E&C-ENGR 5600 PROBLEMS

Supervised investigation in electrical engineering to be presented in form of report.

2-5 hrs

E&C-ENGR 5606 ELECTROMAGNETIC SCATTERING AND ANTENNA THEORY

Dyadic analysis; integral equations and Green's functions; field theorems-uniqueness, induction equivalence, reciprocity; image and Babinet's Principles; applications to antennas; method of stationary phase and applications to aperture antennas; array antennas and mutual coupling analysis; method of moments; asymptotic techniques and applications to EM scattering from wedges, sylinders, and spheres; RF propogation path loss modeling and conformal antennas. Prerequisite: E&C-ENGR 412 is required and PHYSICS 500 is recommended.

3 hrs

E&C-ENGR 5616 PARALLEL AND DISTRIBUTED PROCESSING

Covers the fundamental issues involved in designing and writing programs for simultaneous execution. Semaphores and monitor constructs are covered to provide a basis for critical section programming. Expansion of these concepts provide a basis for the analysis and design of control systems for multiprocessor devices and computer networks. Prerequisites: A suitable systems programming course or instructors consent.

3 hrs

E&C-ENGR 5617 NEURAL NETWORK BASED COMPUTING SYSTEM

The course will consider computing systems based on neural networks and learning models, along with implementations and applications of such systems. Prerequisite: Instructor's consent.

3 hrs

E&C-ENGR 5618 ARTIFICIAL INTELLIGENCE

Concepts, theories, and models pertaining to neural nets, pattern recognition, learning systems, and programmed problem solving. Prerequisite: Instructor's consent.

3 hrs

E&C-ENGR 5619 THEORY OF AUTOMATA

Sequential machines: Turing machines; deterministic and stochastic automata; applications of automata. Prerequisite: instructor's consent.

3 hrs

E&C-ENGR 5624 DIGITAL SOFTWARE SYSTEMS DESIGN

Characteristics and parameters of various software subsystem including assemblers, compilers, utility programs, special programming packages, interpreters, and operating systems; and principles of organization into efficient systems. Prerequisite: E&C-ENGR 524.

3 hrs

E&C-ENGR 5635 VLSI SYSTEMS DESIGN

Course discuss design of the MOSFETs (nFETs and pFETs), and high speed CMOS cascades in VLSI. It also covers the design of various arithmetic circuits, different fast adders, memories, and chip-level physical designs requirements in the VLSI subsystems are also the focus of this course. It uses Verilog HDL/VHDL as a tool to design VLSI systems. Prerequisites: E&C-ENGR 535 or knowledge of VHDL or instructor's consents

3 hrs

E&C-ENGR 5642 ADVANCED INTEGRATED CIRCUITS

Fundamentals of advanced integrated circuit design; diffusion, ion implantation and epitaxy; MOS and bipolar techniques; survey of current LSI design, fabrication and testing.

3 hrs

E&C-ENGR 5644 LIAPUNOV AND RELATED NONLINEAR METHODS IN AUTOMATIC CONTROL

A study of nonlinear methods in automatic control including phase plane analysis, describing function techniques, basic definitions and theorems of Liapunov, methods of generating Liapunov functions, applications of Liapunov's methods, and Popov's methods. Prerequisite: E&C-ENGR 544.

3 hrs

E&C-ENGR 5645 OPTIMAL CONTROL THEORY

Analysis and design of dynamic systems using optimal control theory parameter optimization, dynamic optimization, computational methods, differential games. Prerequisite: E&C-ENGR 544.

3 hrs

E&C-ENGR 5646 STOCHASTIC OPTIMAL ESTIMATION AND CONTROL

Surveys random process theory; stochastic control and optimization; estimation and filtering based on Kalman-Bucy techniques; stochastic stability; adaptive and learning control systems. Prerequisite: E&C-ENGR 544.

3 hrs

E&C-ENGR 5660 POWER-SYSTEMS STABILITY

Performance of synchronous machines under transient conditions, power system stability, system fault computations using symmetrical components; computer solutions of power system problems.

3 hrs

E&C-ENGR 5661 SOLID STATE ENERGY CONVERSION

Solid state direct energy conversion; and design of thermoelectric generators and heat pumps.

3 hrs

E&C-ENGR 5662 POWER ELECTRONIC DRIVES

Advanced study of dc and ac motor drives controlled by power electronic methods, including phase controlled rectifier de chopper, cycloconvertyer, variable frequency inverters. Prerequisite: ECE 536 or consent of instructor. Recommended: E&C-ENGR 544 and E&C-ENGR 562.

3 hrs

E&C-ENGR 5664 LIGHTNING AND SWITCHING SURGES IN POWER SYSTEMS

Overvoltage, switching surge and lightning effects of a power system. Use of grounding and lightning arresters. Effects of surges off and on machines. Prerequisites: ECE 466 and ECE 467, or equivalent.

3 hrs

E&C-ENGR 5668 ADVANCED COMPUTER METHODS IN POWER SYSTEM ANALYSIS

Power system matrices. Sparse matrix methods. Advanced load flow analysis techniques and concepts. Contingency analysis. State estimation. Prerequisites: E&C-ENGR 466K and strong background in FORTRAN or C.

3 hrs

E&C-ENGR 5670 DIRECT CURRENT POWER SYSTEMS

Characteristic and performance analysis of DC transmission lines and associated conversion systems.

3 hrs

E&C-ENGR 5672 POWER SYSTEMS RELAYING

Theory of relaying systems for power system protection, improvement of power system stability. Relay coordination; performance of relays during transient swings and out-of-step conditions. Prerequisite: E&C-ENGR 466.

3 hrs

E&C-ENGR 5674 MACHINE INTELLIGENCE

Formal languages in relation to natural language processing; formal languages, graphs, and image processing; formal logic and automated theorem proving; natural language processing; aspects of problem solving and heuristic programming.

3 hrs

E&C-ENGR 5675 Introduction To The Modeling And Management Of Uncertainty

Theoretical and practical issues in the modeling and management of uncertainty. Topics include probabilistic uncertainty, belief theory and fuzzy set theory. Applications to computer vision, pattern recognition and expert systems.

3 hrs

E&C-ENGR 5676 Advanced Electric Circuit Analysis

Specialized study of mathematical analysis as applied to solutions of circuit networks with fixed and variable parameters.

3 hrs

E&C-ENGR 5677 Network Synthesis

Surveys linear active and nonreciprocal circuit elements, realizability conditions, methods for synthesizing active networks, and practical applications. Prerequisite: E&C-ENGR 676.

3 hrs

E&C-ENGR 5680 Digital And Sample-Data Systems

Introduces sampling and quantization, design of digital and sample-data systems, digital filters, adaptive sampling and quantization. Prerequisite: E&C-ENGR 480.

3 hrs

E&C-ENGR 5681 Applications Of Transforms

Applications of Laplace and other transform methods of solution of circuit and field problems.

3 hrs

E&C-ENGR 5682 Coding Theory II

Further study of error-correcting codes; ring and cyclic codes, linear switching circuits, burst error codes, codes for arithmetic units, etc. Prerequisite: E&C-ENGR 579.

3 hrs

E&C-ENGR 5684 Computer Vision

Image processing methods for segmentation, object representation, scene description and scene interpretation. Prerequisite: E&C-ENGR 484 or consent of instructor.

3 hrs

E&C-ENGR 5688 Communication Theory II

Probability theory of analog and digital communication in the presence of random process noise. Encoding systems, detection systems, optimum receivers. Prerequisite: E&C-ENGR 472.

3 hrs

E&C-ENGR 5690 Advanced Topics In Electrical And Computer Engineering

1-4 hrs

E&C-ENGR 5690 EM Advanced Topics In Electrical And Computer Engineering

1-4 hrs

E&C-ENGR 5690 ET Advanced Topics In Electrical And Computer Engineering

1-4 hrs

E&C-ENGR 5697 Advanced Directed Readings

Advanced readings in an electrical and computer engineering area selected by the graduate student in consultation with a faculty member. Arrangements must be made prior to registration. Prerequisite: Permission of instructor Offered: Every semester

1-5 hrs

E&C-ENGR 5698 Advanced Research Seminar

Advanced Graduate research and/or readings in an electrical and computer engineering area selected by the doctoral student in consultation with a faculty member. Arrangements must be made prior to registration. Prerequisite: Permission of instructor Offered: Every semester

1-5 hrs

E&C-ENGR 5699 Dissertation Research

Doctoral Dissertation

1-9 hrs

CIVIL ENGINEERING (CE)

CIV-ENGR 5500 PROBLEMS

Supervised investigation in civil engineering to be presented in the form of a report. Prerequisite: Graduate standing.

1-6 hrs

CIV-ENGR 5501 ADVANCED TOPICS IN CIVIL ENGINEERING

Current technical developments in civil engineering.

1-3 hrs

CIV-ENGR 5501 ADVANCED TOPICS IN CIVIL ENGINEERING

J

1-3 hrs

CIV-ENGR 5501 L ADVANCED TOPICS IN CIVIL ENGINEERING

1-3 hrs

CIV-ENGR 5525 ADVANCED REINFORCED CONCRETE DESIGN

Designed of eccentric and combine footings, retaining walls, two way floorslabs, design and analysis of multistory building frames, and introduction of prestressed concrete. Prerequisite: CIV-ENGR 422

3 hrs

CIV-ENGR 5536 ADVANCED SOIL MECHANICS

Theoretical soil mechanics as applied to solution of specific engineering problems. Prerequisite: CIV-ENGR 335.

3 hrs

CIV-ENGR 5544 UNIT PROCESS LABORATORY FOR WATER AND WASTEWATER TREATMENT

Typical chemical and physical relationships are applied to unit processes of water and wastewater. Troubleshooting for operation problems is emphasized. The class has significant laboratory/field component.Prerequisite: CIV-ENGR 342

3 hrs

CIV-ENGR 5545 ENVIRONMENTAL ENGINEERING MICROBIOLOGY

Theory and application of fundamental principles of microbiology, toxicology, ecology, and aquatic biology of the microorganisms of importance to environmental engineers.

3 hrs

CIV-ENGR 5545 ENVIRONMENTAL ENGINEERING MICROBIOLOGY

Theory and application of fundamental principles of microbiology, toxicology, ecology, and aquatic biology of the microorganisms of importance to environmental engineers.

3 hrs

CIV-ENGR 5546 LIMNOLOGY

A survey of the physical, biological, and chemical issues important in surface fresh waters. Includes carbonate chemistry, algal assay and Thermocline analysis.Prerequisites: CHEM 211 and MATH 345

3 hrs

CIV-ENGR 5552 HYDRAULICS OF OPEN CHANNELS

The fundamentals of free surface flow are investigated. This includes the study of the principles of continuity,Momentum and Energy;Specific Energy,Discharge and Force; Steady-Gradually varied and Steady,Rapidly Varied Flow;Hydraulic Structures; and, the derivation of, and general methods for solution of the 1-dimensional, unsteady St. Venant Equations.Prerequisite: CIV-ENGR 351

3 hrs

CIV-ENGR 5553 HYDRAULICS AND VARIABILITY OF RIVERS

This course investigates the fundamental concepts of alluvial channel behavior including stream channel evolution and change due to natural and man-induced modifications to streams and watersheds. Numerous case studies of river behavior and studied from the perspective of hydraulics, geomorphology and sediment transport. Prerequisite: CIV-ENGR 355

3 hrs

CIV-ENGR 5554 RIVER STABILITY AND SCOUR

With over 500,000 bridge over water, a significant number are damaged or destroyed by floods annually. This is a study of the theory of and fundamentals methods and procedures recommended to evaluate and analyze stream stability and scour at bridges. Specific topics include Bridge hydraulics;stream stability bridge piers and abutments;hydraulic modeling of floods;and,countermeasures for protection of bridge infrastructure.Prerequisite:CIV-ENGR 355 or instructor approval.

3 hrs

CIV-ENGR 5555 HIGHWAY HYDRAULICS AND SEDIMENT TRANSPORT

The study of sediment transport in rivers, specifically in the vicinity of highway and railroad bridge encroachments. The understanding of the relationship between sediment transport and the fundamentals of flufial geomorphology. Computation of sediment transport and sediment transport modeling. Prerequisite: CIV-ENGR 355

3 hrs

CIV-ENGR 5582 ADVANCED TRAFFIC ENGINEERING

This course covers the review of traffic flow characteristics, the field survey practices and studies,traffic signal designs,freeway operation, and the introduction to Intelligent Traffic Systems (ITS) Prerequisites: CIV-ENGR 481 and CIV-ENGR 319

3 hrs

CIV-ENGR 5599 THESIS RESEARCH

Independent investigation in the field of civil engineering to be presented in the form of a thesis.

1-6 hrs

CIV-ENGR 5601 DOCTORAL TOPICS IN CIVIL ENGINEERING

Current technical developments in civil engineering.

1-3 hrs

CIV-ENGR 5601 B ADVANCED TOPICS IN CIVIL ENGINEERING

1-3 hrs

CIV-ENGR 5601 X ADVANCED TOPICS IN CIVIL ENGINEERING

1-3 hrs

CIV-ENGR 5602 DIRECTED READING IN CIVIL ENGINEERING

Faculty supervised readings course. Prerequisite: Graduate standing. Offered: Fall and winter.

1-3 hrs

CIV-ENGR 5607 NUMERICAL METHODS IN ENGINEERING

Classification and numerical solution of engineering problems--ordinary and partial differential equations, algebraic equations. Includes initial, boundary, eigen-# and characteristic-value problems. Prerequisite: MATH 345.

3 hrs

CIV-ENGR 5621 CONTINUUM MECHANICS

Introductory course in the mechanics of continuous media. Basic concepts of stress, strain, constitutive relationships; conservation laws are treated using Cartesian tensor notation. Examples from both solid and fluid mechanics investigated. (Same as MEC-ENGR 621) Prerequisites: CIV-ENGR 351, MATH 345, and CIV-ENGR 276

3 hrs

CIV-ENGR 5622 THEORY OF ELASTICITY

Stress and strain at a point. General equations of elasticity. Plane stress, plain strain problems; torsion of prismatic bars. Energy methods. (Same as ME 622) Prerequisite: CIV-ENGR 621

3 hrs

CIV-ENGR 5623 THEORY OF PLATES AND SHELLS

Bending of plates with various loading and boundary conditions. Deformations, stresses in thin shells. (Same as ME 623) Prerequisite: CIV-ENGR 621

3 hrs

CIV-ENGR 5624 THEORY OF ELASTIC STABILITY

Bucklingof columns, beams, rings, curved bars, thin plates, shells. (Same as MEC-ENGR 624) Prerequisite: CIV-ENGR 621

3 hrs

CIV-ENGR 5645 WATER QUALITY MODELING

Derivation and application of models for describing oxygen budget, nutrient exchange, and biological productivity in streams, lakes and estuaries. Prerequisite: CIV-ENGR 342.

3 hrs

CIV-ENGR 5646 Physiochemical Treatment Processes

Fundamental principles, analysis and modeling of physical and chemical processes for water and wastewater treatment. Prerequisite: CIV-ENGR 342.

3 hrs

CIV-ENGR 5647 Biochemical Treatment Processes

Biochemical principles, kinetic models and energy considerations in the design of biological wastewater treatment processes. Prerequisite: CIV-ENGR 342.

3 hrs

CIV-ENGR 5648 Environmental Engineering Practicum

Numerical water quality modeling of actual site data for wasteload allocation.

3 hrs

CIV-ENGR 5649 Design Of Water And Wastewater Treatment Facilities

Development of design criteria and their application to the design of water and wastewater treatment facilities. Prerequisite: CIV-ENGR 342.

3 hrs

CIV-ENGR 5651 Fundamentals Of Fluid Mechanics

Fundamentals of fluid motion, lecture and laboratory. Instrumentation, technique and analysis for experimental studies in fluid mechanics.

3 hrs

CIV-ENGR 5656 Advanced Hydraulic Engineering

Rapidly varied flow and design of transition structures. Hydraulic design of spillways, reservoirs and related structures.

3 hrs

CIV-ENGR 5676 Finite Element Methods

The concepts and fundamentals of the finite element method with applications to problems in solid and fluid mechanics. Prerequisite: MEC-ENGR 486 or CIV-ENGR 421.

3 hrs

CIV-ENGR 5679 Dynamics Of Structures

Study of the dynamic behavior of structures. Analysis of equivalent lumoed parameter systems for the design of structures in a dynamic environment. (Same as MEC-ENGR 679) Prerequisites: MEC-ENGR 484 and CIV-ENGR 276, or CIV-ENGR 421, MATH 345, and MEC-ENGR 285

3 hrs

CIV-ENGR 5699 Research And Dissertation

Doctoral dissertation research.

1-9 hrs

MECHANICAL ENGINEERING (ME)

MEC-ENGR 5500 Problems

Supervised investigation in mechanical engineering to be presented in the form of a report.

1-6 hrs

MEC-ENGR 5501 Advanced Topics In Mechanical Engineering

3 hrs

MEC-ENGR 5501 F Advanced Topics In Mechanical Engineering

3 hrs

MEC-ENGR 5501 HP Advanced Topics In Mechanical Engineering

3 hrs

MEC-ENGR 5501 Advanced Topics In Mechanical Engineering

J

3 hrs

MEC-ENGR 5501 L **Advanced Topics In Mechanical Engineering**

3 hrs

MEC-ENGR 5501 M **Advanced Topics In Mechanical Engineering**

3 hrs

MEC-ENGR 5501 N **Advanced Topics In Mechanical Engineering**

3 hrs

MEC-ENGR 5501 P **Advanced Topics In Mechanical Engineering**

3 hrs

MEC-ENGR 5501 PL **Advanced Topics In Mechanical Engineering**

3 hrs

MEC-ENGR 5501 R **Advanced Topics In Mechanical Engineering**

3 hrs

MEC-ENGR 5501 T **Advanced Topics In Mechanical Engineering**

1-3 hrs

MEC-ENGR 5504 **Advanced Metallurgy Principles**

Advanced treatment of physical metallurgy principles to provide a theoretical understanding of engineering materials. Prerequisite: MEC-ENGR 324.

3 hrs

MEC-ENGR 5505 **Imaging Techniques In Materials Science**

Introduction to imaging techniques, including x-rays, neutron beams, electron beams and acoustic energy, to study material properties and structure. Prerequisite: MEC-ENGR 324

3 hrs

MEC-ENGR 5533 **Statistical Thermodynamics**

Statistical methods of evaluating thermodynamic properties. Elements of quantum mechanics, statistical mechanics and kinetic theory applied to topics of engineering thermodynamics. Prerequisites: MEC-ENGR 360 and MEC-ENGR 399

3 hrs

MEC-ENGR 5534 **Fracture Mechanics I**

Mechanics of flawed structure. Concepts include Griffith theory. Barenblatt's theory, Irwin analysis, energy analysis of cracked bodies, fracture toughness testing, plane strain, plane stress, transition temperature concepts, subcritical flaw growth. Prerequisite: MEC-ENGR 324.

3 hrs

MEC-ENGR 5535 **Heat Transfer-Conduction**

Techniques for determining temperature distribution and temperature history within solids. Prerequisite: MEC-ENGR 399.

3 hrs

MEC-ENGR 5542 **Introduction To Computational Fluid Dynamics And Heat Transfer**

Introduction to the principles and development of the finite-difference approximations to the governing differential equations of viscous and inviscid fluid flow, as well as heat transfer. Introduction to discretization methods and the calculation of flow fields, convection, diffusion and conduction. Prerequisites: MEC-ENGR 399 and MEC-ENGR 441

3 hrs

MEC-ENGR 5545 **Instrumentation Theory**

Applied theory of dynamical and energizing systems for analyzing, computing, control devices. Prerequisite: MEC-ENGR 362

3 hrs

MEC-ENGR 5558 DYNAMICAL THEORY

Engineering principles and application in mathematical expression of energy, force,inertia system. Prerequisite: MEC-ENGR 485 and MATH 345.

3 hrs

MEC-ENGR 5595 MICROSCALE HEAT TRANSFER

Review of existing models. Concept of thermal lagging and the second-law admissibility. Applications to low temperatures, thermal processing of thin-film devices; amorphous materials; advanced composites. Prerequisites: MEC-ENGR 399.

3 hrs

MEC-ENGR 5599 RESEARCH

Independent investigation in field of mechanical engineering to be presented as a thesis.

1-99 hrs

MEC-ENGR 5601 DOCTORAL TOPICS IN MECHANICAL ENGINEERING

3 hrs

MEC-ENGR 5601 A DOCTORAL TOPICS IN MECHANICAL ENGINEERING

3 hrs

MEC-ENGR 5601 C DOCTORAL TOPICS IN MECHANICAL ENGINEERING

3 hrs

MEC-ENGR 5601 DOCTORAL TOPICS IN MECHANICAL ENGINEERING

E

3 hrs

MEC-ENGR 5601 DOCTORAL TOPICS IN MECHANICAL ENGINEERING

F

3 hrs

MEC-ENGR 5601 G DOCTORAL TOPICS IN MECHANICAL ENGINEERING

3 hrs

MEC-ENGR 5601 DOCTORAL TOPICS IN MECHANICAL ENGINEERING

H

3 hrs

MEC-ENGR 5601 DOCTORAL TOPICS IN MECHANICAL ENGINEERING

J

3 hrs

MEC-ENGR 5601 R DOCTORAL TOPICS IN MECHANICAL ENGINEERING

3 hrs

MEC-ENGR 5601 S DOCTORAL TOPICS IN MECHANICAL ENGINEERING

3 hrs

MEC-ENGR 5601 SA DOCTORAL TOPICS IN MECHANICAL ENGINEERING

3 hrs

MEC-ENGR 5603 DIRECTED READINGS IN MECHANICAL ENGINEERING

Faculty supervised readings course. Prerequisite: Graduate Standing

1-3 hrs

MEC-ENGR 5610 SEMINAR

Review recent investigations, projects of major importance in mechanical engineering.

1 hr

MEC-ENGR 5616 THEORY OF PLASTICITY

Plastic yield conditions and stress-strain relations. Behavior of elastic-perfectly plastic members. Plain strain in plastic members. Prerequisite: MEC-ENGR 621; and MEC-ENGR 622 or instructor's consent

3 hrs

MEC-ENGR 5618 ADVANCED DYNAMICS

Fundamental principles of advanced rigid body dynamics with applications. Special mathematical techniques including Lagrangian and Hamiltonian methods. Prerequisite: MEC-ENGR 385

3 hrs

MEC-ENGR 5621 CONTINUUM MECHANICS

Introductory course in the mechanics of continuous media. Basic concepts of stress, strain, constitutive relationships; conservation laws are treated using Cartesian tensor notation. Examples from both solid and fluid mechanics investigated. Prerequisite: MEC-ENGR 351, MATH 345 and CIV-ENGR 276. Same as CIV-ENGR 621

3 hrs

MEC-ENGR 5622 THEORY OF ELASTICITY

Stress and strain at a point. General equations of elasticity. Plane stress, plain strain problems; torsion of prismatic bars. Energy methods. Same as CIV-ENGR 622. Prerequisite: MEC-ENGR 621

3 hrs

MEC-ENGR 5623 THEORY OF PLATES AND SHELLS

Bending of plates with various loading and boundary conditions. Deformations,stresses in thin shells. Same as CIV-ENGR 623. Prerequisite: MEC-ENGR 621

3 hrs

MEC-ENGR 5624 THEORY OF ELASTIC STABILITY

Buckling of columns, beams,rings, curved bars, thin plates, shells. Same as CIV-ENGR 624. Prerequisite: MEC-ENGR 621

3 hrs

MEC-ENGR 5627 DYNAMICS OF MACHINERY

Dynamic balancing or rotating and reciprocating components of turbo-machinery and internal combustion engines. Gas torque analysis, vibration stress analysis and equivalent systems. Numerical and graphical techniques. Prerequisite: MEC-ENGR 484.

3 hrs

MEC-ENGR 5630 BOUNDARY LAYER THEORY

Fluid motion at high Reynolds Number. Derivation of Navier-Stokes equations and boundary layer equations. Methods of solution. Transition to turbulent flow. Completely developed turbulent flow. Prerequisite: MEC-ENGR 441.

3 hrs

MEC-ENGR 5636 HEAT TRANSFER-CONVECTION

Principles of heat transfer by convection, review of boundary layer theory, laminar and turbulent heat transfer, temperature-dependent fluid properties, high velocity heat transfer and an introduction to mass transfer. Prerequisites: MEC-ENGR 399 and MEC-ENGR 630.

3 hrs

MEC-ENGR 5637 HEAT TRANSFER-RADIATION

Advanced study of engineering radiation heat transfer. Concepts of electromagnetic theory. Development of thermal radiation laws from thermodynamic laws. Analysis of grey and non-grey systems with intervening gases. Study of recent literature. Prerequisites: MEC-ENGR 399.

3 hrs

MEC-ENGR 5638 INTRODUCTION TO TURBULENCE

Introduction to the physical phenomena of turbulence, supported by mathematical and statistical descriptions. Especially appropriate for engineers involved in research aspects of momentum, heat, and mass transport. Prerequisite: MEC-ENGR 441

3 hrs

MEC-ENGR 5639 INTRODUCTION TO TWO PHASE FLOW

An introduction to the analysis of the mechanics and transport processes in two phase flows. Prerequisite: MEC-ENGR 441.

3 hrs

MEC-ENGR 5644 FRACTURE AND FATIGUE PREVENTION IN ENGINEERING PRACTICE

Practical design problems. Introduction to retrofit design, maintenance, product improvement and new design from a fatigue and fracture prevention philosophy. Fail safe and safe life designs are presented. Prerequisite: MEC-ENGR 534.

3 hrs

MEC-ENGR 5651 COMPUTATIONAL FLUID DYNAMICS

Principles and development of the finite-difference approximations to the governing differential equations of viscous and inviscid fluid flow. Application to selected model equations. Introduction to boundary layer and Navier-Stokes codes, and to grid generation. Prerequisite: MEC-ENGR 542.

3 hrs

MEC-ENGR 5660 COMBUSTION

Study of advanced topics in flames and combustion. Detonation and deflagrations, supersonic combustion, air pollution. Prerequisite: MEC-ENGR 441.

3 hrs

MEC-ENGR 5676 FINITE ELEMENT METHODS

The concepts and fundamentals of the finite element method with applications to problems in solid and fluid mechanics. Prerequisite: MEC-ENGR 486 or CIV-ENGR 421. Same as CIV-ENGR 676

3 hrs

MEC-ENGR 5679 DYNAMICS OF STRUCTURES

Study of the dynamic behavior of structures. Analysis of equivalent lumped parameter systems for the design of structures in a dynamic environment. Prerequisites: MEC-ENGR 484 and CIV-ENGR 276; or CIV-ENGR 421, MATH 345, and MEC-ENGR 285

3 hrs

MEC-ENGR 5685 ADVANCED VIBRATION ANALYSIS

Advanced topics in vibration theory and its application to Mechanical systems. Topics include vibration analysis of multi-degree of freedom, distributed and nonlinear systems, random vibration analysis, and vibration control. Prerequisite: MEC-ENGR 484 or instructor's consent.

3 hrs

MEC-ENGR 5699 RESEARCH AND DISSERTATION

Doctoral dissertation research.

1-9 hrs

Curriculum

CURRICULUM

Arts and Sciences, College of

COLLEGE OF ARTS AND SCIENCES

- Department and Programs
  - Art and Art History
    - Student Learning Outcomes
  - Chemistry
    - Student Learning Outcomes
    - Emphasis Areas
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    - Master of Arts : Sociology
      - Student Learning Outcomes
      - Master of Arts : Degree Requirements
    - Interdisciplinary Ph.D. program
    - Master of Science : Criminal justice and Criminology
      - Admission Requirements
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      - Master of Science : Degree Requirements
  - Economics
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    - Master of Arts : Economics
  - English
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  - Foreigh languages
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  - Master of Arts: Romance Languages
  - Geosciences

- Student Learning Outcomes
- Graduate Certificate in Waste Management
- Master of Science : Environmental and Urban Geosciences

- Gerontology Certificate program
  - Program Description
- History
  - Student Learning Outcomes
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- Liberal Studies
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- Mathematics
  - Graduate Programs
    - Student Learning Outcomes
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- Physics
  - Student Learning Outcomes
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- Political Sciences
  - Student Learning Outcomes
  - Requirements for Graduation
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  - Master of Arts: Psychology
    - Student Learning Outcomes
    - Suggested Plan of Study
    - Requirements for Retention
  - Ph.D. Psychology
    - Student Learning Outcomes
    - Suggested Plan of Study
    - Requirements for Retention
- Social Work
  - Degree Requirements
  - Student Learning Outcomes
  - Plan of Study
- Theatre
  - Student Learning Outcomes
  - Master of Arts
  - Master of Fine Arts
    - Retention
  - Master of Fine Arts - Design and Technology

STUDENT LEARNING OUTCOMES

Master of Arts in Art History

1. Students graduating with an MA in Art History will:

- Have an advanced knowledge of specialized areas of art history.
- Be able to communicate information both orally and in written form.

2. Students graduating with an MA in Art History will be prepared for entry into a PhD program or the job market.

Master of Arts in Studio Art

1. Students graduating with an MA in Studio Art will:

- Have an advanced knowledge of a specialized area of studio art.
- Be proficient in adapting technology for the creation of works of art, including computer skills and digital photography.

2. Students graduating with an MA in Studio Art will be prepared for entry into an MFA program or the job market.

STUDENT LEARNING OUTCOMES

The Department of Chemistry offers two master of science degrees. The non-thesis M.S. program has an emphasis on coursework, while the thesis-based degree has an emphasis on both coursework and original research. Graduating chemistry M.S. students will be exposed to the most recent advances in chemical sciences. In addition, thesis-based M.S. students will experience the excitement of performing guided research.

The following student learning outcomes are expected for our educational process:

Non-Thesis Master of Science in Chemistry

At the end of their studies, students will:

- Have an extensive knowledge of the basic areas of chemistry (inorganic, organic, physical, analytical, and biochemistry).
- Be familiar with the recent advances in the basic areas of chemistry.
- Have the ability to communicate scientific information clearly and precisely, both written and oral forms.
- Have the ability to read, understand, and use scientific literature.
- Have had the opportunity to work with others as part of a team to solve scientific problems.

Thesis-Based Master of Science in Chemistry

At the end of their studies, students will:

- Have an extensive knowledge of the basic areas of chemistry (inorganic, organic, physical, analytical, and biochemistry) with an extensive knowledge in at least one area.
- Have done extensive research through a project.
- Have the ability to recognize scientific problems, formulate questions and answers, and carry out strategies for solving them.
- Have the ability to read, understand, and use scientific literature.
- Have the ability to communicate scientific information clearly and precisely, both written and oral forms.
- Have some understanding of the principles and applications of modern instrumentation, computation, experimental design, and data analysis.

Emphasis Areas

Analytical

Research in analytical chemistry is focused on:

- Gas chromatography.
- Mass spectrometry.
- Fourier transform infrared, Raman and positron annihilation spectroscopy techniques.

Inorganic

Research in inorganic chemistry is focused on:

- Bioinorganic chemistry, including synthetic and mechanistic coordination chemistry of essential and toxic metal ions.
- Inorganic reactions including thermodynamic and kinetic aspects of metal-ligand interactions in aqueous and other media.
- Correlation of electronic structure calculations with experimental measurements.
- Bioinorganic chemistry of the heaviest metals.
- Development of new synthetic methodology to novel organic-inorganic hybrids.
- Polymer-silicate composites.

Organic

Research in organic chemistry is focused on:

- Synthesis and molecular architecture of bile acids and benzenoid hydrocarbons.
- Synthesis and physical studies of novel host-guest systems.
- Total synthesis of complex natural products.
- Development of new synthetic methods.
- Development of new scaffolds and reagents for combinatorial chemistry.
- Medicinal chemistry.
- Chemical biology.
- Synthesis and elucidation of natural products and antitumor agents.
- Biomimetic materials chemistry of cyclodextrin derivatives.
- Immobilized enzymes for "green" enantioselective catalysis.

Physical

Research in physical chemistry is focused on:

- Using infrared and Raman spectroscopy to determine molecular conformations.
- Developing infrared spectroscopic techniques for the analysis of environmental pollutants.
- Using *ab initio* and semiempirical computational methods to predict chemical and physical properties of interesting chemical species.
- Quantitative structure activity relationships.
- Physical and biological properties of dental materials.
- Characterization of electronic and free-volume properties in materials.
- Positron and positronium chemistry.
- Organic conductivity and superconductivity.
- Brownie dynamic simulation.
- Developing and using solid-state NMR methods for structural and dynamical studies of proteins and peptides.

Polymer

Research in polymer chemistry is focused on:

- Synthesis of novel organic and organometallic polymers.
- Novel dendrimers and their applications.
- Core-shell nanoparticles as functional materials.
- Hybrid polymers for molecular electronics.
- Characterization of electronic/optical/photophysical properties of polymers.
- Study of free volume, phase transition, relaxation phenomena, and gas diffusion of polymers and polymer blends.
- Semiconducting polymers.

Student Learning Outcomes

Students with a M.A. in sociology should be able to:

- **Examine** the role and relevance of the sociological perspective for graduate students who will have the knowledge and skills necessary to pursue either a Ph.D. in a related field or to engage in enhanced study, research, and/or application of sociological method and theory.
- **Reflect on** contemporary issues and controversies in sociology, and advance sociological research through their own creative engagement with social theories and methods.
- **Explore** the theoretical and methodological perspectives in a chosen specialty area to elaborate the historical development and contemporary manifestation of social inequalities.
- **Advance** critical research and writing skills for professional development and civic engagement such that graduate students will deepen their professional commitment to community.

Master of Arts : Degree Requirements

All graduate students are required to take the following courses which should be taken early in the program:

Required Courses:		Hours
SOC 5501	Social Theory I	3
SOC 5502	Social Theory II	3
SOC 5510	Sociological Research Methods I	3
SOC 5511	Sociological Research Methods II	3
SOC 5516	Intermediate Statistics	3

Other degree requirements include:

1. Students may choose the remainder of their coursework from the electives at the 5500 level offered in the department and from graduate courses offered in other departments (maximum of six credit hours) with the approval of the principal graduate adviser, and from 400-level courses within the department (maximum of six credit hours). In no case can more than three one-credit courses be part of the program of study.
2. Students are expected to earn a GPA of 3.0 or above in the core courses and an overall GPA of 3.0. Those who do not meet this requirement will be subject to review by the departmental graduate standards committee. Students who do not perform at a satisfactory level can be placed on probation or terminated from the program.
3. Students must choose either the thesis or the comprehensive exam option (described below), and complete the 30 credit hours of graduate coursework required for the

degree option chosen.
4. Students must complete at least three credit hours of graduate work each semester (fall and spring) to maintain their standing in the program.
5. Students also must comply with all applicable general graduate academic requirements as listed in the School of Graduate Studies section of this catalog.
6. A program of study should be filed by the midpoint of the student's coursework. This should be completed in consultation with the principal graduate adviser or the student's committee chair. However, the plan of study can be modified during the coursework.

INTERDISCIPLINARY PH.D. PROGRAM

Sociology is currently participating in UMKC's Interdisciplinary Ph.D. program as a co-discipline. Students interested in this study should review the School of Graduate Studies section of this catalog for general and discipline-specific admission criteria, academic regulations and degree requirements. Additional information may be found at the department's Web site (http://cas.umkc.edu/soc). Interested persons may also contact the department's doctoral program adviser at (816) 235-**2529**.

ADMISSION REQUIREMENTS

The minimum admission requirements for entrance into the M.S.-CJC program include the following:

1. Completed an undergraduate degree, from an accredited university or college, with coursework in the socio-behavioral sciences sufficient to prepare for graduate-level study in the criminal justice and criminology field.
2. Achieved a minimum of 2.75 GPA in all undergraduate work, with a 3.0 GPA for courses within the socio-behavioral sciences area.
3. Completed undergraduate courses in statistics, research methods, and theories of crime.

The application process is competitive. Satisfaction of the minimum criteria stated above does not guarantee admission to the graduate program of study. Students are admitted according to their rank in the applicant pool and consideration of the adequacy of departmental resources.

Students who do not meet admission requirements, but who otherwise show promise for graduate work, may be admitted provisionally to the program. Provisional admission means deficiencies must be corrected before a student is fully admitted as a degree-seeking student in the M.S.-CJC program. Typical deficiencies include a need to take undergraduate coursework to prepare for graduate study in this program, or to demonstrate scholastic ability in graduate-level courses.

STUDENT LEARNING OUTCOMES

Graduates from the Master of Science in Criminal Justice and Criminology program will:

- Have knowledge as to the character and recent trends in crime in the United States.
- Understand the major elements that shape and impact the development of justice system policies in response to crime.
- Have knowledge with respect to various models for defining the scope and operation of the criminal justice system.
- Have specific knowledge regarding recent developments in criminological theories that attempt to explain delinquent and criminal behavior.
- Be able to employ elements of qualitative and/or quantitative research methods to design scientific-based projects to examine issues related to criminal justice or criminal behavior.
- Have knowledge and understanding of statistical methods, processes, and tests to understand and interpret scientific research findings from the criminal justice and criminology literature.
- Have specific knowledge and understanding of current literature, research, and issues in a cognitive area related to criminal justice chosen by the student.

MASTER OF SCIENCE : DEGREE RERQUIREMENTS

The M.S.-CJC degree requires successful completion of 30 credit hours of graduate work. Within these 30 hours, students may elect to complete a thesis or pursue the non-thesis option.

A core of six courses is required of all students. The required courses include:

Required Courses:		**Hours**
CJC 5501	Proseminar to the Criminal Justice System	3
CJC 5580	Policy and Decision Making in Criminal Justice	3
CJC/SOC 5516	Intermediate Quantitative Methods (Statistics)	3
CJC 5518	Advanced Theoretical Criminology	3
CJC/SOC 5510	Sociological Research Methods I	3
-or-		
CJC/SOC 5511	Sociological Research Methods II	3

In addition, one of the following coursesis required:		
CJC 5551	Seminar in Policing	3
CJC 5570	Contemporary Corrections and Correctional Policy	3
CJC 5575	Correctional Rehabilitation and Treatment	3

The required graduate courses in statistics, research methods and theory demand completion of prerequisite courses in these areas from the student's undergraduate work. Those who have not had such courses may be required to take the preprequisite course(s) prior to enrolling in the graduate course. Beyond the required courses, students must complete an additional 12 hours of academic work. This work may include thesis hours, courses in independent directed studies, classes from the CJC curriculum, or courses from other disciplines. The content of those 12 hours of study will reflect the student's choice with respect to thesis or non-thesis options.

Those electing to write a thesis as part of their graduate work can receive up to 6 hours credit (CJC 5599) for preparation of the thesis. In addition to writing the thesis students must successfully complete an oral defense of that thesis before their supervisory committee. The research topic of the thesis will address some issue of specific interest to the student. Through courses, literature review, and analyses conducted in developing the thesis, students are expected to become proficient in their specific thesis topic area.

Those electing the non-thesis option will take coursework and directed studies related to a cognate area. Their 12 hours of study beyond the required courses will address the area of specialization, or cognate area, selected by the student. There are five possible cognate areas from which to choose:

1. Policing.
2. Legal aspects of the criminal justice process.
3. Corrections.
4. Women and crime.
5. Juvenile justice, delinquency and gangs.

In their final semester, these students must successfully complete written comprehensive exams covering topic areas from the required courses as well as their cognate area of study.

Students must complete at least 3 hours of graduate work each semester (fall and spring) in order to maintain their standing in the program. At minimum, a 3.0 GPA must be attained in all work offered for graduate credit. Students should consult the General Graduate Academic Regulations and Information section of the UMKC catalog for regulations that apply to all graduate students.

Student Learning Outcomes

Master of Arts in Economics

Students graduating with a master's degree in this field will:

- Have an advanced knowledge of the basic areas of the field.
- Be able to integrate their knowledge with critical thinking skills.
- Be able to articulate their knowledge, both orally and in writing.
- Be able to effectively research the literature of this field.

Master of Arts : Economics

The Department of Economics offers a master of arts degree. The M.A. program seeks to provide students with a broad level of competence in economics. Students are encouraged to extend the reach of their scholarship to acquire a wide-ranging foundation in addition to technical mastery of theory and quantitative methods. This is done through the combination of required and elective courses.

Career Implications

The master of arts in economics is designed as a preparation for further graduate training at the doctoral level and for professional positions in industry, business, government, teaching and research. Courses may be taken in areas other than economics with the approval of the graduate adviser.

The master of arts with an emphasis in applied economics is designed to prepare students for industry, business, government, trade, research and policy in urban-regional economic analysis.

Advising System

Students should consult with the graduate adviser, Frederic Lee, (816) 235-**2543**, leefs@umkc.edu, to plan their graduate program of study.

Admission Requirements

Students may be admitted for graduate study in economics if they have a baccalaureate degree in economics from an accredited college or university with an overall grade-point average of at least 2.5 on the 4.0 scale (or the equivalent). Applicants whose undergraduate GPA is less than 2.5 may be considered for admission upon petition to the Graduate Admission Committee of the Department of Economics.

Students who have a baccalaureate degree with an overall undergraduate GPA of 2.5 or better and who did not major in economics may be admitted to the program upon consultation with the department's principal graduate adviser and on demonstrating proficiency in the following areas:

- Intermediate Macroeconomic Analysis
- Intermediate Microeconomic Analysis
- Introductory Statistics

All students with less than a 2.5 (4.0 scale) GPA prior to admission shall be required to take the general Graduate Record Examinations (GRE) and obtain a score of 1000 or greater on the verbal and quantitative and at least a 4.0 on the analytical portions.

International students who have studied less than two years (full time) in a U.S. academic program or a comparable program in an English-speaking country are required to have TOEFL score of 550 or above or 213 on the computer-based test.

Degree Requirements

Thirty hours of graduate work are required for the M.A. in economics. The following required courses (15 hours) and their prerequisites are listed:

ECON 5501 Advanced Macroeconomic Analysis
(301 Macroeconomic Analysis)
ECON 5502 Advanced Microeconomic Analysis
(302 Microeconomic Analysis and
5521 Mathematical Economics)
ECON 5521 Mathematical Economics
ECON 5525 Econometric Methods
(425 Int. Economic Statistics)
ECON 5551 Advanced Institutional Theory
(451 Institutional Economic Theory)

With only extraordinary exception, the above is the schedule of class offerings by the Economics Department. Substitutions for the above prerequisites may be approved by the graduate adviser.
ECON 5521 is waived if students have completed ECON 421 or its equivalent. In the event students have not had ECON 421 they should take ECON 5521. Calculus is strongly recommended as a prerequisite for ECON 5521.
ECON 425 is required for all students who have not had it, or something very much like it.
ECON 451 is required for all students who have not had an approved substitute - see graduate adviser.

An additional 15 hours of coursework must be completed. Up to nine of these hours may be in selected 400-level courses in economics and related disciplines, upon consultation with the graduate adviser. Graduate credit toward the M.A. in economics is not given for courses at the 300 level. No more than 6 hours of ECON 5590, Special Topics, may be counted toward graduation.

For students not entering in the fall semester, it is strongly recommended that ECON 5521 (Mathematical Economics) be taken at the first opportunity. The prerequisites for graduate courses are very important and must be completed prior to enrollment in courses with prerequisites. Graduate students in economics must also comply with the general graduate academic regulations as found in the School of Graduate Studies section of this catalog.

Requirements for Retention

Students are expected to maintain a high degree of academic excellence. Students must maintain a minimum 3.0 graduate grade-point average. A student who receives a grade of C+ or lower will receive an academic warning. Students who receive a grade of C or C- in two classes, or a grade of D+ or lower in one class, will be dropped from the program. A maximum of 3 hours of 2.0 (C) in graduate courses will be permitted to count toward graduation. A 3.0 (B) must be earned in all undergraduate courses approved for graduate credit and in ECON 5590 and ECON 5599.

A student is required to fill out a "program of study" with the graduate adviser before the completion of 15 hours of coursework. At that time, the graduate committee will consider the student's performance and make a recommendation with regard to retention of the student. After being approved by the College of Arts and Sciences graduate officer, the program of study is filed with the UMKC Records Office and may be amended upon consultation with the graduate adviser.

Requirements for Graduation

Students on the elective courses track are required to complete 15 hours beyond the required courses. Of these, 6 hours must be at the 5500 level. Students on the project track complete a supervised applied research project which counts as part of the 15 hours beyond the required courses. The number of hours for the project depends on its scope and is determined by students and their project adviser. For more information about the project, see the graduate adviser. Depending on the scope of the project, students are required to take 3 to 6 hours from among the following courses:

ECON 5591 Research & Planning Seminar (required)
ECON 5599 Research and Thesis (5591 prerequisite)

Student Learning Outcomes

Master of Arts in English

Students graduating with an M.A. in English will be able to:

- Develop a critical understanding of the ways in which texts exist within broader aesthetic, social, and political contexts.
- Develop the ability to investigate the reception(s) of texts within their own time periods and at subsequent historical moments.
- Master the structural principals that have shaped traditional literary genres and forms, (e.g., sonnets, villanelles, bildungsromans, etc.).
- Appreciate the value of studying both the broad sweep of many texts within and across historical periods and the in-depth exploration of a single text.
- Express themselves well, both orally and in writing, to serve as eloquent advocates for their interpretive positions, and to disagree with civility.
- Engage with the vast array of information technologies available to them, including conducting research on-line, using classroom Web sites to further discussion with their peers and teachers, and connecting with the scholarly world beyond UMKC.
- Invite others to join in conversations about texts and language, either as teachers themselves or more informally in their lives beyond the classroom.
- Appreciate the beauties of language and share in the joy of textual interaction.
- Create their own innovative creative and scholarly writing that engages the principles listed above.

Degree Requirements

In addition to the department requirements below, graduate students in English must comply with the requirements listed in the General Graduate Academic Regulations and Information section of this catalog.

General Requirements for the M.A. in English

- Students must earn 33 graduate credits beyond the bachelor's degree for creative writing and 34 graduate credits for literature or language and literature. Of these credits, at least 15 hours must be at graduate level (courses numbered 5000 and above) and taught by a member of the graduate faculty and at least 9 hours must be in 5000-level seminars or other 5000-level courses which are not cross-listed with 400-level courses.
- Literature and language and literature students must take English 5000 and successfully complete one hour of 5599 for their "Culminating Experience".
- Students must maintain a 3.0 (B) grade-point average to remain in the M.A. program and to complete the degree. Students are advised that grades of I (incomplete) convert to an F within one year.
- Students must fulfill a foreign language requirement by satisfactorily completing (with a C or better) two years of the same foreign language or by completing satisfactorily the final exam of a second semester language course.
- Students must remain continuously enrolled, except in summer, for a minimum of 1 credit hour per semester. 5899 is the continuous enrollment course number.
- Students must complete a formal Program of Study and have it signed within a year after admission. A final POS must be submitted and signed during the semester a student files to graduate.
- Students must complete all coursework within seven years.

Specific Requirements for the M.A. in English

Literature M.A. Requirements

Students must take at least one course from five of the seven designated areas, including at least one course from areas I & II, one course from areas III & IV and one course from areas V-VII.

I. Criticism and Scholarship
English 447/5547,5550G, 5555G
II. Language and Rhetoric
English 400CH, 5519, 445/5545, 470, 5520, 5550J, 5550M, 5555J, 5555M
III. Literature Through the Middle Ages
English 400CF, 412/5512, 422/5522, 452/5552, 5503, 5550A, 5550R, 5555A
IV. Renaissance Literature
English 400CA, 413/5513, 414/5514, 423/5523, 451/5551, 452/5552, 461/5561, 5550B, 5555B, 5555R
V. Late 17th- and 18th-Century Literature
English 415/5515,416/5516, 426/5526, *455/5556, 462/5562, 5550C, 5555C
VI. Nineteenth-Century Literature
English **410/5510, *416/5516, 418/5518,426/5526 **440/5540, 455/5556, 5550D, 550E, 5555D
VII. Twentieth-Century Literature
English **410/5510, 417/5517, 427/5527, 428/5528, **440/5540, 453/5553, 463/5563, 465/5565, 5550F, 5555E, 5555F

*Satisfies 18th- or 19th-century requirement, depending on the content.
**Satisfies 19th- or 20th-century requirement, depending on the content.

Other courses in the catalog may satisfy an area requirement if the content is appropriate, e.g., English 5550H/5555H Graduate Seminar: Studies in Fiction or 433/5533 Histories of Writing, Reading, and Publishing.

Language and Literature M.A. Requirements:

- At least 12 hours selected from the following list of courses: English 445/5545, 447/5547, 470, 5519, 5520, 5550G/5555G, 5550J/5555J, 5550M/5555M, and 5550P. For students interested in teaching in the community college or secondary school, or in pursuing a Ph.D. in composition and rhetoric, English 5519 is highly recommended (it is required for graduate teaching assistants).
- In addition to the requirements for areas I & II, students must take at least one course from three of the five remaining areas (III-VII) including at least one course from areas III-IV and at least one course from areas V-VII.

Culminating Experience:

- At the end of their M.A. (either in the last semester or the second to last semester), students will revise a seminar paper (written in a previous course and/or in their area of interest) under the guidance of a faculty mentor. The goal of the revisions will be to create a polished paper of about 20-30 pages that could possibly be the basis for a conference paper, a writing sample, or a publishable article.
- Students will enroll in one hour of 5599 in order to work on this final paper with their chosen faculty mentor.
- Final papers will be reviewed by a faculty committee that will rotate each semester. The committee will consist of two assigned members of the graduate faculty appointed by director of Graduate Studies, who will work with the student's faculty mentor.
- Students will turn in their revised papers to their mentors and the review committee at least two weeks prior to the end of the semester. Mentors are responsible for arranging a meeting with the student and the review committee before the end of the semester in which the 5599 is taken. After conducting a discussion about the paper and providing feedback for the student, the mentor and the review committee will assign a grade of pass or fail.

Student Learning Outcomes

M.A. in romance languages, with an emphasis in either French or Spanish

Students graduating with an M.A. in romance languages will:

- Obtain specialized knowledge of either Hispanic or French and Francophone cultures, especially of their literatures as foundational paradigms for inquiry into language and cultural phenomena.
- Develop skill in reflective inquiry.
- Analyze cultural products, process and perspectives with a variety of interpretive strategies.
- Attain superior reading, writing, listening and speaking proficiency in the primary language studied, and intermediate reading proficiency in the secondary language studied.

Master of Arts: Romance Languages

The master of arts degree program provides necessary training in French or Spanish language and literature for those who want to teach those languages at the secondary school or junior college level. It also serves students who plan to continue with studies at the doctoral level. Other employment opportunities can be found in government, business and industry, publishing houses, foundations, etc.

Admission Requirements

A bachelor's degree from an accredited institution with a 3.0 (B) grade-point average in the subject area and a 2.75 overall GPA is required for admission.

The Graduate Record Examination (Advanced Achievement) is recommended, and two letters of recommendation are required. Students' transcripts with accompanying data are carefully evaluated.

Applicants with inadequate preparation may be required to make up deficiencies by taking more than the standard 30 hours of coursework.

Courses taken prior to admission into a graduate program will not count for graduate credit.

Requirements for Retention

If students' graduate grade-point averages fall below 3.0 (B), they may take coursework only on the 300 and 400 levels until a 3.0 graduate grade-point average has been achieved. Coursework completed under this condition will not count toward the master's degree.

Transfer Credit

No more than 9 hours of transfer credit are normally allowed toward degree requirements.

Advising

Students interested in pursuing a master's degree in Romance languages should meet with the appropriate principal graduate adviser before beginning studies:

French: Kathy M. Krause
(816) 235-**1340**, krausek@umkc.edu
Spanish: Louis Imperiale
(816) 235-**2822**, imperialel@umkc.edu

In consultation with the adviser, a course of study will be planned listing the courses that will satisfy requirements for the degree. Prior to registration each semester, candidates must meet with their advisers for approval of their course programs. They also must seek their adviser's endorsement whenever a change in the agreed course of study is necessary.

M.A. Degree Requirements

1. The program of study consists of 30 hours with a minimum of 18 hours at the 5500 level and a maximum of 12 hours on the 300 and 400 levels. A minimum GPA of 3.0 is required in all graduate work. It is highly recommended that students take courses in as many areas, genres and periods as possible in order to achieve both breadth and depth of knowledge. Students must obtain approval of their study programs by the graduate adviser before each term.
2. Students must demonstrate ability to read, speak and write, idiomatically and with accuracy, the language in which the M.A. degree is being pursued.
3. Final Examination: Spanish students must take a final written examination covering the coursework taken for the degree; French students must take a final oral examination.
4. Second Language Proficiency: In addition to the mastery of the target language, students must demonstrate a reading knowledge of a second language in one of the following ways:
    - Taking a reading examination in French, Spanish, Italian, German or Latin administered or approved by the department or given by the Educational Testing Service.
    - Achieving a grade of 3.0 (B) or better in a 3-hour 200-level language course.
    - Achieving a grade of 2.0 (C) or better in each of two 300-level courses or in one 400-level literature or civilization course.

Student Learning Outcomes

Students in all graduate programs in which the Department of Geosciences participates are required to complete and publicly defend their thesis or dissertation before they can be awarded their M.S. or doctoral degree. Doctoral students must also pass a comprehensive examination.

Graduate Certificate in Waste Management

In keeping with the demand for trained professionals in the field of waste management, a new *Graduate Certificate Program in Waste Management* was launched in 2003. The program is designed for professionals working in the waste management industry who desire advanced knowledge in the field but do not have the time to enroll in a graduate degree program that may take up to two years to complete. The graduate certificate program is designed to meet this need and also to enable students holding a bachelor's degree in an appropriate discipline to improve their knowledge in the waste management field and to prepare them to enter the waste management industry with advanced knowledge at the graduate level. The carefully designed curriculum for this program consists of 15 credit hours of course work that covers every important aspect of waste management. Field visits to waste disposal facilities and a 5-day OSHA-approved Hazardous Waste Operator Training (HAZWOPER) course are included in the curriculum.

Required Courses
ENVS 310 Field Experience in Waste Management
GEOL 335 Introduction to Waste Management
GEOL 5512 Geology and Hazardous Waste Management
GEOL 5534 Hazardous Waste Operation Management
GEOL 5570 Hydrogeology
GEOL 5597 Graduate Seminar

Master of Science : Environmental and Urban Geosciences

The Department of Geosciences offers a master of science degree in environmental and urban geosciences, the only such program in North America. This unique program

prepares students, depending on their emphasis area, for advanced study of different facets of the environment including: environmental issues and geospatial methods (GIS and Remote Sensing), natural hazards, environmental remediation, waste management, air and water pollution, resource evaluation and management, geoarchaeology, historical geography, and urban land use and planning. Although the program allows students to select an emphasis area for more intensive study, all students are required to complete a core curriculum and a thesis.

Admissions Requirements

For full admission to the graduate degree program in environmental and urban geosciences (Code 6, degree-seeking status), the following requirements must be met:

1. Completion of an undergraduate degree with a major in a geosciences field (such as environmental studies, geography or geology) and a grade-point average of at least 3.0 (A = 4.0) overall, as well as in the major.
2. A satisfactory score on the Graduate Record Examination (combined Verbal and Quantitative test score of 1000 or higher; Analytical Writing score 4.0 or higher). Lower scores may be accepted in certain cases.

With department approval, students with non-geoscience undergraduate degrees may be admitted on a non-regular degree-seeking basis (Code 6-V). After successfully completing recommended courses for the appropriate undergraduate geoscience degree, including prerequisites, these students may be granted degree-seeking status.

Graduate Assistantships

Teaching and research assistantships are awarded on a competitive basis to incoming graduate students. Assistantship applications and all supporting materials should be submitted by March 15 for fall enrollment.

Core Curriculum

		Hours
GEOG 5544	Geo-Computation Methods for Earth and Environmental Sciences	3
GEOG 5595	Graduate Seminar I	1
/GEOL 5595		
GEOG 5597	Graduate Seminar II	3
/GEOL 5597		
GEOG 5599	Research and Thesis	3-6
/GEOL 5599		

Emphasis Areas

Students must select one of the following emphasis areas:

Environmental Geography and Geographic Information Science

The Environmental Geography and Geographic Information Science emphasis area will prepare students with a wide range of knowledge on environmental issues and geospatial methods (GIS, remote sensing, and environmental modeling). Required courses for students in this area are:

		Hours
GEOG 5502	Environmental Remote Sensing	3
GEOG 5506	Global Environmental Change	3
GEOG 5507	Advanced Geographic Information Science	3

Based on student interest and departmental research priorities, students may also take courses in such areas as biogeography, climatology, ecosystem management, hydrology, and quaternary environments.

Environmental Geology

The Environmental Geology emphasis area provides opportunities for advanced study of geology with emphasis on human interaction with the environment. Hydrogeology, neotectonics, geochemistry, and environmental hazards and remediation are among the possible specialties a student could pursue in this emphasis area. Required courses for students in this area are:

		Hours
GEOL 5551	Geotechnics	4
GEOL 5570	Hydrogeology	3
One of the following:		
GEOL 5531	X-ray Methods in Geosciences	
-and- GEOL 5532	ICPMS Applications	4
GEOL 5535	Aqueous Geochemistry	3
GEOL 5541	Environmental Geophysics	3

Other coursework may include appropriate geology courses, as well as related departmental courses, especially those in geographic information science.

Urban and Cultural Geography

Students choosing this emphasis area can pursue studies in cultural geography, historical geography, history of cartography, geoarchaeology, regional analysis and development, and urban geography and planning. Required courses for students in this area are:

		Hours
GEOG 5503	History and Philosophy of Geography	3
GEOG 5507	Advanced Geographic Information Science	3
GEOG 5509	Urban Geography	3

Other coursework may include appropriate geography courses, as well as related departmental courses and cognate courses in other departments.

Requirements for Retention

1. For newly admitted graduate students, elimination of all undergraduate deficiencies (if any) in the undergraduate major and its supporting prerequisites is required upon or before the completion of the first 12 hours of coursework for graduate credit. No graduate credit can be given for undergraduate courses taken to remove deficiencies.
2. All students are required to pass a qualifying examination administered by the department during their first year.
3. A 3.0 (B) average or better must be maintained in all graduate coursework. In addition, a 3.0 (B) average and a satisfactory balance of grades must be maintained in the approved program of study, or the student will be subject to either probationary status or dismissal from the program.

Requirements for Graduation

1. Formal acceptance of a planned program of study and research is required by the department and the graduate officer of the College. Such a program must comprise at least 30 graduate credit hours (approved by the supervisory committee), including 3 to 6 hours of thesis credit, and completion of the core curriculum and emphasis area requirements. No more than 40 percent of the program may be 300- to 400-level courses, and at least 18 credit hours must be at the 5500 level or above.
2. A formal written thesis is required of all students, and its format must be in accordance with guidelines of School of Graduate Studies.
3. A final examination is required, including oral examination of thesis research and related coursework.
4. Satisfactory compliance with all applicable requirements of the School of Graduate Studies is required, including continuous enrollment and residency.

Program Description

A graduate gerontology certificate program is offered through the College of Arts and Sciences Continuing Education Division and the Center on Aging Studies. The certificate can be completed either in conjunction with a graduate degree program or as a free-standing credential. Students in such diverse fields as sociology, psychology, nursing, dental hygiene, pharmacy, law, social work and education have completed the certificate. Students enrolled in a degree program must declare their intention to pursue the certificate to their adviser and to the gerontology adviser in the Center on Aging Studies. As the number and proportion of older adults in the population increases, career opportunities in a variety of arenas are on the rise.

Required Courses

Eighteen credit hours are required to complete the minor or certificate:

Required Courses		Hours
A&S 5500	Interdisciplinary Colloquium on Aging	3
Sociology Core (Choose one)		
SOCIOL 410R	Aging in Contemporary Society	3
SOCSC 411P	Aging in American Society: Past and Present	4
SOCIOL 5554	Sociology of the Aging Woman	3
SOCIOL 5560	Sociology of Death & Dying	3
SOCIOL 5580	Special Topics (Approved 3-credit special topics course can meet the Sociology requirement.)	3
Psychology Core (Choose one)		
PSYCH 5540	The Psychology of Aging	3
PSYCH 5543	Adult Development and Aging	3
Health/Biology Core (Requires three credit hours)		
NATSC 430PC	Biological & Ethical Issues in Aging	3
NURSE 5530A	The Experience of Health in Aging: Physiological	1
NURSE 5530B	The Experience of Health in Aging: Relationship	1
NURSE 5530C	The Experience of Health in Aging: Community	1
Field Practicum		
A&S 5592	Field Practicum in Aging	3

Elective Courses

Three elective credit hours can be taken to complete the program. Students should contact the gerontology adviser or the Center on Aging Studies Web site for a current list of courses available for elective credit. Students wishing to enroll in the certificate program must meet all requirements for admission to UMKC and to their intended major academic unit (if applicable). They must declare their intention to pursue the certificate to their adviser and to the gerontology adviser in the Center on Aging Studies. For information on enrollment, contact the gerontology program adviser at the Center on Aging Studies.

Student Learning Outcomes

This master's program is designed for students who have already completed a non-terminal baccalaureate degree with a major in history or a related field. Students may pursue this master's degree as a terminal degree or leave open the option of continuing to a doctorate. In this program, students will typically develop an in-depth knowledge of three fields of historical scholarship in their areas of interest, including chronology, bibliography, major themes and interpretations. Students may find that they develop these interests in the process of their interaction with the department faculty. In the process of developing this advanced knowledge, students will also be expected to master the skills of historical scholarship. They will learn:

- How to think critically about and conduct effective research into the past.
- How to compose this research into an eloquent story about the past on the basis of primary, secondary and theoretical sources in critical debate with other historians about historical events, interpretations, methodology, theory and historiography.
- How to communicate their histories in a variety of oral and written modes appropriate to professional historians (in book reviews, articles, conference-style presentations, peer debate and with academic honesty).

Curriculur Requirements

Language Requirements

The M.A. in History with thesis will require demonstration of language competency if the subject matter requires it. The faculty adviser will determine how this requirement should be fulfilled. The M.A. in History without thesis does not require language competency.

Course Requirements

Students seeking to fulfill either program option are required to complete a minimum of 36 credits of graduate-level work which must include completing the following courses with a grade of 2.67 (B-) or better:

1. Research Methodologies 5581 for 3 credits
2. Any two Research Seminars (5587R,5587RB) for a total of 6 credits
3. At least two graduate-level colloquia (5582,5584,5585,5586) for a minimum of 6 credits

The department encourages students to take all of the remaining courses in their curriculum (21 credits) in the History department at the 5500 level. With the approval of the student's faculty adviser, however, students may take up to 6 credits at the 400 level if these fit with their overall program of study. Students may also take up to 9 credits in courses outside the department provided:

1. They are demonstrably graduate level courses.
2. They clearly relate to the student's program of study.
3. The student receives the approval of her/his supervisory committee.

Students may transfer up to 20% of the graduate credit hours appearing on the final program of study from another recognized graduate school.

Non-Thesis students may take up to 6 credits of Non Thesis Research/Readings (5597) in which they receive one on one instruction in areas of their own special interest (a course offered at the discretion of individual instructors).

Thesis-option students must take at least 1 and no more than 6 credits of Thesis Research/Readings (5599R) in which they receive one-on-one mentoring as they develop their own contribution to knowledge based upon extensive research, reflection, and careful analysis (a course offered at the discretion of individual instructors).

Research Methodologies

This course is offered once a year in the fall semester on either a tuesday or a thursday evening. In it, students will

1. Read broadly and learn about the major trends in historiography.
2. Develop fundamental skills of the professional historian such as the ability to analyze primary sources, write academic book reviews, make conference-style presentations, and discuss the work of other historians critically among peers.

The course typically culminates in the production of a research and/or grant proposal for a real or hypothetical research project.

Colloquia

Subjects include:

- American History
- European History
- The Non-Western World

On a rotating basis, two of these courses are offered each fall and spring semester, one on monday and one on wednesday evenings. In them, students will

1. Read broadly and learn about the major trends in the historiography of a particular historical problem, place, period, or specialization.
2. Develop fundamental skills of the professional historian such as the ability to write academic book reviews, make conference-style presentations, and discuss among peers the work of other historians critically.

This course typically culminates in the production of a term paper and/or literature review on a subject of the student's interest that could serve as the context for a future research project or comprehensive examination field.

Research Seminars

Subjects include:

- Communities and Identities
- Gender, Sexuality and the Body
- Globalization and Internationalism
- Material Culture and Everyday Life
- Region and the Environment
- Science, Technology and Medicine
- Texts and Ideas

On a rotating basis, two of these courses are offered in the spring semester, one on tuesday and one on thursday evenings. Students may take two in the same semester only with the approval of their faculty adviser. In them, students will

- Read examples of this field of scholarship.
- Develop an expertise in a research agenda of their own creation.
- Exercise the fundamental skills of the professional historian such as the ability to write a research proposal, conduct historical research, make conference-style presentations of their research, and discuss the work of other historians critically among peers.

This course typically culminates in the production of an article-length "publishable" paper based on primary research making a contribution to the existing literature. Students writing superior papers will participate in a graduate student conference at the end of the spring semester. The other students will also attend as an audience.

Dual-Numbered Courses (300/5500 & 400/5500)

Offered at a variety of times each semester, these courses expose graduate students further to major trends in the historiography of larger historical problems, places, periods, or specializations and allow them to hone their skills at academic history. Often taught in conjunction with undergraduate courses in the same subject area, graduate students in these courses will be held to a higher standard of knowledge and performance.

The Annual Graduate Student Conference

The Department of History will host an annual graduate student conference on thursday afternoon and evening of the reading period in the spring semester. In it, students will

- Demonstrate their expertise in a research agenda of their own creation.
- Present their research to peers and faculty.
- Comment constructively and critically on the research of others.
- Engage critical questions in public.
- Celebrate their academic achievements that year.

During the banquet, one member of the departmental faculty will present his/her latest research as the keynote speaker. Afterwards, the faculty will present one student participant of the conference with the Carla Klausner Award for the best paper/presentation.

REQUIREMENTS FOR COMPLETION OF DEGREE

The degree is a 36 credit hour program. Generally, each participant's plan of study will consist of three parts; however, exceptions in the plan of study may be approved by the director to accommodate an individual's specific interests or special education or career backgrounds. The three parts of the matriculation plan include:

1. Introductory seminar, which must be completed before any other coursework.
2. The body of coursework itself.
3. A final capstone seminar, taken during the last semester.

A written thesis is not required, but individuals who wish to complete a thesis project may apply three credit hours toward their degree requirements. An individual who works well independently and who has a particular interest that lends itself to detailed research is especially encouraged to consider the thesis option. With the thesis option, the participant will select a faculty adviser other than the director of the program, who will direct the plan of study and research.

GRADUATE PROGRAMS

Master of Arts or Master of Science in Mathematics, with emphasis in Mathematics or Statistics

1. Students graduating with an M.A. or M.S. degree will, at a higher level than required for the baccalaureate degree:
    - Have a broad understanding of several branches of mathematics and how they are related.
    - Be able to read and/or listen to documents and discussions having mathematical content, with an appropriate level of understanding, exhibit a high level of mathematical literacy.
    - Be able to read, write, and understand mathematical proofs, and construct mathematical proofs as appropriate.
    - Be able to reason with and apply mathematical concepts, principles and methods; analyze and evaluate problems (both theoretical and practical) and plan strategies for their solution.
    - Be able to clearly articulate mathematical information accurately and effectively, using a form, structure and style that suit the purpose (including written and face-to-face presentation).
    - Be able to work collaboratively with others on projects requiring mathematical knowledge and input, to function effectively in a professional workplace related to mathematics, or in a graduate program.
    - Be able to independently acquire further mathematical knowledge without guidance.
2. Students graduating with an M.A. or M.S. will be prepared for entry into professional schools, graduate programs, or the job market.

Student Learning Outcomes

Master of Arts or Master of Science in Mathematics, with emphasis in Mathematics or Statistics

1. Students graduating with an M.A. or M.S. degree will, at a higher level than required for the baccalaureate degree:
    - Have a broad understanding of several branches of mathematics and how they are related.
    - Be able to read and/or listen to documents and discussions having mathematical content, with an appropriate level of understanding, exhibit a high level of mathematical literacy.
    - Be able to read, write, and understand mathematical proofs, and construct mathematical proofs as appropriate.
    - Be able to reason with and apply mathematical concepts, principles and methods; analyze and evaluate problems (both theoretical and practical) and plan strategies for their solution.
    - Be able to clearly articulate mathematical information accurately and effectively, using a form, structure and style that suit the purpose (including written and face-to-face presentation).
    - Be able to work collaboratively with others on projects requiring mathematical knowledge and input, to function effectively in a professional workplace related to mathematics, or in a graduate program.
    - Be able to independently acquire further mathematical knowledge without guidance.
2. Students graduating with an M.A. or M.S. will be prepared for entry into professional schools, graduate programs, or the job market.

Master of Science : Maths and Statistics

The master's program gives the student broad training in basic higher-level mathematics. A **concentration is available in either mathematics or statistics**.

Degree Requirements

No fewer than 30 credit hours of approved coursework are required, and at least 18 credit hours must be at the 5500 level in the department. Courses numbered below 400 do not carry graduate credit for mathematics graduate students.

All master's degree candidates must take six core courses (all at the 5500 level) in the selected emphasis area. For details about the M.S. degree requirements, please refer to the departmental Web site (http://cas.umkc.edu/math).

Doctor of Philosophy

UMKC offers an Interdisciplinary Ph.D. program. Students desiring to study at the doctoral level in mathematics must apply to the School of Graduate Studies. Detailed information on the general and discipline-specific requirements appears in the School of Graduate Studies section of this catalog. For more details visit the department Web site (http://cas.umkc.edu/math).

Student Learning Outcomes

Master of Science in Physics

Students graduating with an M.S. in physics will:

- Have an advanced knowledge of the basic areas of physics.
- Be able to integrate their knowledge with critical thinking skills in order to become problem solvers.
- Be able to clearly articulate scientific information, both orally and in writing.
- Be able to effectively use the scientific literature.

Students graduating with an M.S. in physics will be prepared for entry into professional schools, graduate programs or the job market.

Master of Science

Description of the Program

The master of science degree may be earned by fulfilling the requirements for the master of science with thesis or the master of science without thesis.

A full-time graduate student seeking a master of science degree will normally be expected to take the thesis option. The without-thesis option is mainly designed for part-time students who already have career employment.

The following five graduate-level courses are defined as core courses for the M.S. All graduate students should take these courses as soon as possible after admission to graduate study.

Physics 5500: Mathematical Physics I
Physics 5510: Theoretical Mechanics I
Physics 5520: Electromagnetic Theory I
Physics 5530: Quantum Mechanics I
Physics 5540: Statistical Physics I

Requirements of the Major

In addition to requirements set by the School of Graduate Studies, the following requirements must be satisfied for graduation:

Requirements for the M.S. Degree With Thesis

1. 30 graduate credit hours with the following constraints:
    - At least 12 credit hours of M.S. core courses.
    - A maximum of six credit hours for the thesis (Physics 5599).
    - No more than nine credit hours of 400-level courses.
2. A comprehensive written examination covering all basic areas of undergraduate and graduate physics.
3. A satisfactory thesis.
4. A final oral examination.

Requirements for the M.S. Degree Without Thesis

1. 36 graduate credit hours with the following constraints:
    - 15 credit hours of core M.S. courses.
    - No more than six credit hours of 400-level physics courses and no more than six credit hours of non-physics courses without the approval of the supervisory committee.
2. A comprehensive final written examination covering all areas of basic undergraduate and graduate physics.

All graduate students must maintain a grade-point average of 3.0 (A = 4.0). A student who chooses the thesis option must maintain satisfactory progress on a research

project. There are no language requirements for the M.S. degree.

Graduate students should consult with the principal graduate adviser prior to enrollment.

Student Learning Outcomes

Master of Arts in Political Science

The master's program in political science is designed to give students a broad background in the field. In each class research and writing skills are emphasized. Students who intend to go into Ph.D. programs should choose the thesis option.

Requirements for Graduation

The master of arts degree in political science requires the successful completion of either of the following sets of requirements:

- Non-Thesis Option - 33 semester hours of approved coursework.
- Thesis Option - 24 semester hours of approved coursework and 6 hours of thesis (Political Science 5599: Research and Thesis). Students must gain permission to write a thesis. An oral defense of the thesis is required. Those who anticipate further graduate work toward the doctorate are advised to write a thesis.

All M.A. candidates must successfully complete Political Science 5680 (Traditions, Theories and Trends in Political Science). For a 300- or 400-level course to be accepted for graduate credit, students will be expected to do supplementary work (additional reading, projects, papers and contact hours with instructor) and to demonstrate graduate-level competency and achievement in the subject, and the students must take the course for graduate credit and complete it with a grade of B or better.

No more than nine credit hours of 300- or 400-level coursework taken for graduate credit will count toward the M.A. in political science. No course taken for undergraduate credit at UMKC may be repeated for graduate credit. In either the 30-hour thesis option or the 33-hour non-thesis option, no more than six hours of readings, independent study or directed studies credit (other than thesis hours) may be counted toward the requirements for the M.A.

No more than six hours of approved credit may be transferred from another recognized graduate school, and no more than six hours of pre-approved graduate coursework in other UMKC departments will be accepted toward the degree.

Students should consult the principal master's adviser in selecting approved courses to assure progress toward completion of the degree and to meet their needs and interests in graduate study.

Student Learning Outcomes

Master of Arts Program in Health Psychology

By the end of the M.A. program in health psychology, students will demonstrate that they can:

1. Apply theoretical principles from psychology to the development of prevention interventions aimed at a range of health-related problems.
2. Summarize and critique the psychology literature, particularly within the field of health psychology.
3. Design empirical studies which allow for the testing of a health psychology hypothesis.
4. Demonstrate knowledge of the range of univariate and multivariate statistical techniques that are used within the field of health psychology.
5. Communicate both orally and in writing at a level that is appropriate for professionals in either the applied or academic health psychology field.

Master of Arts Program in Quantative Psychology

By the end of the M.A. program in quantitative psychology, students will demonstrate that they can:

1. Summarize and critique the psychology literature, particularly within their chosen area of specialization.
2. Demonstrate their understanding of the range of experimental and non-experimental research designs used in psychological research.
3. Develop research instruments and demonstrate their psychometric properties.
4. Demonstrate knowledge of the range of univariate and multivariate statistical techniques that are used in psychology.
5. Communicate both orally and in writing at a level that is appropriate for professionals in either their chosen area of area of concentration.

Suggested Plan of Study

Effective spring semester 2006, the M.A. program has suspended admissions indefinitely. Future updates about the program will be posted on the departmental home page at http://cas.umkc.edu/psyc .

Concentration in Quantitative Methods/Research Design

The Quantitative Methods/Research Design concentration is designed for students who seek rigorous training in research design and statistical analysis. Acquiring skills in these areas will prepare students for additional graduate training as well as for immediate application in a work setting. Quantitatively skilled professionals are employed in a variety of settings including: university departments such as psychology, marketing, management, education, medical and biological research programs, personnel management programs, government, industry, market research firms, large-scale mental testing corporations, software development companies and consulting firms.

One key component of training is six credit hours of research and thesis (thesis option) or directed research (non-thesis option) in which students will, under the direct supervision of faculty, apply the skills they have learned in the classroom to real-world problems and research questions. With the support of their faculty mentor, students in the non-thesis option can collaborate with other professionals outside of the department.

Quantitative Methods/Research Design

Thesis Option:	**Hours**	
PSYCH 5516	Advanced Quantitative Methods	3
PSYCH 5517	Multiple Regression and Multivariate Analysis	3
PSYCH 5538	Development and Evaluation of Assessment Tools	3
PSYCH 5601	Experimental Methods in Design and Analysis I	3
PSYCH 5625	Health Research Methods: Intro. to Epidemiology & Clinical Trials	3
PSYCH 5599	Research and Thesis	6
Psychology Elective*		3
Electives**		6
Total	**30**	
Non-Thesis Option:	**Hours**	
PSYCH 5516	Advanced Quantitative Methods	3
PSYCH 5517	Multiple Regression and Multivariate Analysis	3
PSYCH 5538	Development and Evaluation of Assessment Tools	3

PSYCH 5601	Experimental Methods in Design and Analysis I	3
PSYCH 5625	Health Research Methods: Intro. to Epidemiology & Clinical Trials	3
PSYCH 5590	Directed Research	6
Psychology Electives*		9
Electives**		6
Total		**36**

* Psychology electives must be 5500 level or above, unless prior written approval is obtained from your psychology adviser and the course instructor. Documentation of completion of additional work in undergraduate courses must be filed with the department in order to obtain graduate credit.
** Courses at the 5500 level or above from other UMKC departments may be used to fulfill these requirements; however, prior written approval from your psychology adviser is required.

Concentration in Health Psychology

The Health Psychology concentration offers students the opportunity to develop an understanding of the impact of behavioral, biological, cognitive, environmental and social variables on mental and physical health. Drawing on the research strengths of our faculty, the concentration is particularly appropriate for students who need advanced work to strengthen their profiles in preparation for application to Ph.D. programs, or for those who wish to explore graduate-level work before making a commitment to Ph.D. training. Students take core classes in the major areas of Health Psychology and can develop expertise in a chosen area via additional course selections and research.

Potential applicants should be aware that the Psychology M.A. is not designed to prepare students for professional practice as a psychologist. Further, completion of an M.A. in Health Psychology is not adequate preparation for either the practice of psychology or use of the term “psychologist,” both of which are regulated by state statute. Students interested in the practice of psychology should consider the Clinical Psychology Ph.D. program described under the Department of Psychology listing.

Health Psychology

Thesis Option:	**Hours**	
PSYCH 5516	Advanced Quantitative Methods	3
PSYCH 5517	Multiple Regression and Multivariate Analysis	3
PSYCH 5601	Experimental Methods in Design and Analysis I	3
PSYCH 5625	Health Research Methods: Intro. to Epidemiology & Clinical Trials	3
PSYCH 5631	Theoretical Foundations of Health Psychology	3
PSYCH 5599	Research and Thesis	6
Psychology Elective (Select one)		
PSYCH 5504	Contemporary Issues in Learning	3
PSYCH 5505	Motivation	3
PSYCH 5507	Cognitive Psychology	3
PSYCH 5518	Advanced Biopsychology	3
PSYCH 5538	Development and Evaluation of Assessment Tools	3
PSYCH 5612	Program Evaluation and Research Dissemination	3
Psychology Elective (Select one)		
PSYCH 5512	Contemporary Issues in Social Psychology	3
PSYCH 5522	Contemporary Issues in Developmental Psychology	3
PSYCH 5523	Seminar Personality Theory and Methodology	3
PSYCH 5533	Psychopathology	3
PSYCH 5638	Seminar in Health Care Leadership	3
Psychology Elective*		3
Total		**30**
Non-Thesis Option:	**Hours**	
PSYCH 5516	Advanced Quantitative Methods	3
PSYCH 5517	Multiple Regression and Multivariate Analysis	3
PSYCH 5601	Experimental Methods in Design and Analysis I	3
PSYCH 5625	Health Research Methods: Intro. to Epidemiology & Clinical Trials	3
PSYCH 5631	Theoretical Foundations of Health Psychology	3
PSYCH 5590	Directed Research	6
Psychology Elective (Select one)		
PSYCH 5504	Contemporary Issues in Learning	3
PSYCH 5505	Motivation	3
PSYCH 5507	Cognitive Psychology	3
PSYCH 5518	Advanced Biopsychology	3
PSYCH 5538	Development and Evaluation of Assessment Tools	3
PSYCH 5612	Program Evaluation and Research Dissemination	3
Psychology Elective (Select one)		
PSYCH 5512	Contemporary Issues in Social Psychology	3
PSYCH 5522	Contemporary Issues in Developmental Psychology	3
PSYCH 5523	Seminar Personality Theory and Methodology	3
PSYCH 5533	Psychopathology	3
PSYCH 5638	Seminar in Health Care Leadership	3
Psychology Elective*		3
Electives**		6
Total		**36**

* Psychology electives must be 5500 level or above, unless prior written approval is obtained from your psychology adviser and the course instructor. Documentation of completion of additional work in undergraduate courses must be filed with the department in order to obtain graduate credit.
** Courses at the 5500 level or above from other UMKC departments may be used to fulfill these requirements; however, prior written approval from your psychology adviser is required.

Requirements for Retention

A detailed list of requirements for retention can be found in the Master of Arts section in the Psychology Degree Program handbook.

Student Learning Outcomes

Students completing the Clinical Psychology (Health Emphasis) Ph.D. Program will demonstrate:

1. Competence in the evaluation, conduct, and dissemination of research.
2. Entry-level skill in the delivery of empirically-supported clinical services, including science-practice integration in assessment, treatments, and preventive interventions.
3. Ethical conduct and high professional standards in research and clinical situations, including sensitivity to issues of diversity in research and practice.
4. Knowledge in the theoretical and scientific foundations of clinical health psychology and skill in clinical health psychology research and evidence-based, entry-level practice, as it is integrated within the broader context of clinical psychology.
5. Understanding of the breadth areas of scientific psychology and their application to clinical and clinical health psychology.

SUGGESTED PLAN OF STUDY

The following represents the program's core curriculum.

First Year

Fall Semester		**Hours**
PSYCH 5509	Assessment I: Intellectual & Cognitive Assessment	3
PSYCH 5516	Quantitative Analysis I: Regression & Analysis of Variance	3
PSYCH 5590	Directed Research	
-or-		
PSYCH 5599	Thesis(1)	1
PSYCH 5622	Theoretical & Ethical Issues in Professional Psychology	3
Total Hours		**10**
Spring Semester		**Hours**
PSYCH 5510	Assessment Methods in Professional Counseling	3
PSYCH 5517	Quantitative Analysis II: Advanced Topics in Regression & Multivariate Data Analysis	3
PSYCH 5590	Directed Research	
-or-		
PSYCH 5599	Thesis(1)	1
PSYCH 5623	Methods of Counseling in Professional Psychology	3
Total Hours		**10**
Summer Term		**Hours**
PSYCH 5650	Clinical Practicum(**optional**)(2)	1

Second Year

Fall Semester		**Hours**
PSYCH 5533	Psychopathology	3
PSYCH 5590	Directed Research	
-or-		
PSYCH 5599	Thesis(1)	2
PSYCH 5601	Experimental Methods in Design & Analysis I	3
PSYCH 5631	Theoretical Foundations of Health Psychology	3
PSYCH 5650	Clinical Practicum	1
Total Hours		**12**
Spring Semester		**Hours**
PSYCH 5538	Development & Evaluation of Assessment Tools	3
PSYCH 5590	Directed Research	
-or-		
PSYCH 5599	Thesis(1)	2
PSYCH 5625	Health Research Methods: Intro to Epidemiology & Clinical Trials	3
PSYCH 5632	Health Psychology Interventions	3
PSYCH 5650	Clinical Practicum	1
Total Hours		**12**
Summer Term		**Hours**
PSYCH 5650	Clinical Practicum(**optional**)(2)	1

Third Year

Fall Semester		**Hours**
PSYCH 5521	Advanced Social Psychology	3
PSYCH 5522	Contemporary Issues in Developmental Psychology	
-or-		
PSYCH 5586	Theory, Research & Practice of Consultation(3)	3
PSYCH 5650	Clinical Practicum	1
PSYCH 5696	Pre-Dissertation(4)	3
Total Hours		**10**
Spring Semester		**Hours**
PSYCH 5505	Motivation	
-or-		
PSYCH 5507	Cognitive Psychology(3)	3
PSYCH 5515	Advanced Systems & History of Psychology	3
PSYCH 5650	Clinical Practicum	1
PSYCH 5696	Pre-Dissertation(4)	3
Total Hours		**10**
Summer Term		**Hours**
PSYCH 5650	Clinical Practicum(**optional**)(2)	1

Fourth Year

Fall Semester		**Hours**
PSYCH 5518	Advanced Biopsychology(3)	3
PSYCH 5522	Contemporary Issues in Developmental Psychology	
-or-		
PSYCH 5586	Theory, Research & Practice of Consultation(3)	3
PSYCH 5650	Clinical Practicum	1
PSYCH 5699	Research & Dissertation	3
Total Hours		**10**
Spring Semester		**Hours**
Elective(5)		3
Elective(5)		3
PSYCH 5650	Clinical Practicum	1

PSYCH 5699	Research & Dissertation(4)	3
Total Hours10Summer TermHours		
PSYCH 5660	Clinical Health Psychology Internship(6)	1

Fifth Year

Fall SemesterHours		
PSYCH 5660	Clinical Health Psychology Internship	1
PSYCH 5699	Research & Dissertation(7)	1
Total Hours 2Spring SemesterHours		
PSYCH 5660	Clinical Health Psychology Internship	1
PSYCH 5699	Research & Dissertation(7)	1
Total Hours 2Summer TermHours		
PSYCH 5660	Clinical Health Psychology Internship(6)	1

Sixth Year

Fall SemesterHours		
PSYCH 5660	Clinical Health Psychology Internship(6)	1

Program Total 94

Note: This represents the recommended sequencing of courses. Students may be allowed to alter this sequencing, with prior approval of the faculty adviser and DCT. This sequencing is also subject to change based on course availability in a given semester as determined by the program.
(1) Students are required to officially enroll in and accumulate six hours of research credit over their first two years in the program (six credit hours of graduate level research credit are required to receive the M.A.). If the master's thesis project has been waived or completed, **formal enrollment in directed research still is required**. It is expected that all students will be continuously enrolled in research credit hours and evaluated on their research performance each fall and spring semester.
(2) The program requires that students enroll in practicum each regular fall and spring semester of the second, third and fourth years. Students may complete additional clinical hours in summer practicum to improve their competitiveness for internships.
(3) Developmental and Consultation are offered in alternate years. Students must complete both, but the order will vary depending on which is offered in the student's third year. Similarly, Cognitive and Motivation are offered in alternate years. Students have a choice between Cognitive or Motivation (both satisfy the same requirement), and may fulfill this requirement in the third or fourth year (if taken in the fourth year, the student might take a required elective(5) in the third year instead).
(4) The School of Graduate Studies requires a total of 12 pre-dissertation/dissertation hours for graduation. You may accumulate these hours in any way you wish as long as you complete 12 hours prior to graduation and are continuously enrolled in research credit through the completion of the dissertation. However, you must **first pass comps** before enrolling in dissertation units.
(5) A list of potential electives is included in the student program handbook.
(6) Students will register for three to four semester credit hours of Internship to meet program and School of Graduate Studies enrollment requirements, based on the start and end dates of the student's internship. Consult the DCT prior to beginning internship to determine appropriate enrollment.
(7) Students who defend their dissertations prior to the fifth year do not register for continuing dissertation hours. Students, fifth year or beyond, who have not successfully defended the dissertation are required to enroll in one credit hour of Dissertation each fall and spring semester until it is completed.

Requirements for Retention

Requirements for Retention

A detailed description of program policies and procedures, including the requirements for retention, is available in the student handbook which can be accessed through the Clinical Psychology program webpage.

Degree Requirements

The graduate social work program grants the M.S.W. degree when students have completed the following degree requirements:

1. 60 credit hours of class (48 hours) and field (12 hours) for regular program students.
2. 36 credit hours of class (30 hours) and field (6 hours) for advanced standing students.
3. To remain in good standing, students must maintain a cumulative GPA of 3.0.
4. Part-time students must demonstrate acceptable progress towards the degree.
5. Students take four electives in the concentration year, with one elective from Integrative Content electives (Aging, Mental Health and Substance Abuse, Children, Youth and Families or School Social Work) and one elective from Advanced Methods electives required.
6. Testing out of foundation courses, except for practice courses and field practicum, is an option. Students are given the opportunity to waive up to 6 credit hours by taking the equivalent of a final examination for a course, offered at the beginning of the semester. These credits must be replaced by electives.

Note: For students with disabilities or special learning needs, the program works closely with the Office of Disabled Student Services regarding special accommodations.

Student Learning Outcomes

Master of Social Work

The knowledge and skill learning outcomes for graduates from the UMKC M.S.W. Program include the ability to:

1. Apply critical thinking skills within professional contexts, including synthesizing and applying appropriate theories and knowledge to practice interventions.
2. Practice within the values and ethics of the social work profession and with an understanding of, and respect for, the positive value of diversity.
3. Demonstrate the professional use of self.
4. Understand the forms and mechanisms of oppression and discrimination and the strategies and skills of change that advance social and economic justice.
5. Understand and interpret the history of the social work profession and its current structures and issues.
6. Apply the knowledge and skills of a generalist social work perspective to practice with systems of all sizes.
7. Apply the knowledge and skills of advanced social work practice in an area of concentration.
8. Critically analyze and apply knowledge of bio-psycho-social variables that affect individual development and behavior, and use theoretical frameworks to understand the interactions among individuals and between individuals and social systems (i.e., families, groups, organizations, and communities).
9. Analyze the impact of social policies on client systems, workers, and agencies and demonstrate skills for influencing policy formulation and change.
10. Evaluate relevant research studies and apply findings to practice, and demonstrate skills in quantitative and qualitative research design, data analysis, and knowledge dissemination.
11. Conduct empirical evaluations of their own practice interventions and those of other relevant systems.
12. Use communication skills differentially with a variety of client populations, colleagues, and members of the community.
13. Use supervision and consultation appropriate to advanced practice in an area of concentration.
14. Function within the structure of organizations and service delivery systems and seek necessary organizational change.

PLAN OF STUDY

The following course of study is a typical schedule for a full-time student. A student must complete all foundation level courses before taking any concentration level courses. The plan of study is subject to change.

Regular Program

Fall SW5510 Foundation Field Practicum I (3)
SW5530 Human Behavior: Individuals in the Social Environment (3)
SW5532 Foundations of Social Work Practice I (3)
SW5534 Social Welfare Programs and Policies (3)
SW5536 Social Work Research Methods (3)

Spring SW5511 Foundation Field Practicum II (3)
SW5531 Human Behavior: Families, Groups, Organizations, and Communities (3)
SW5533 Foundations of Social Work Practice II (3)
SW5535 Social Welfare Policy Practice (3)
SW5537 Statistical Applications in Social Work Research (3)

Fall SW5512 Advanced Field Practicum I (3)
SW5540 Advanced Social Work Practice I (3)
SW5550 Social Work Practice and Program Evaluation I (3)
XXX Advanced Methods Elective (3)
XXX Integrative Content Elective (3)

Spring SW5513 Advanced Field Practicum II (3)
SW5541 Advanced Social Work Practice II (3)
SW5579 Capstone Seminar in Social Work (3)
XXX Advanced Methods Elective (3)
XXX Integrative Content Elective (3)

Advanced Standing Program

Advanced standing students must enroll in the following required summer courses; unless SW 5531, 5535 and 5537 are completed prior to summer matriculation.

SW5538 Advanced Standing Seminar: Contemporary Trends in Social Work Practice (3)
SW5539 Advanced Standing Seminar: Emerging Issues in Social Welfare Policy and Research (3)

Advanced standing students then complete a comparable advanced-level year curriculum with other program students.

STUDENT LEARNING OUTCOMES

Student Learning Outcomes for the Master of Arts and Master of Fine Arts in Theatre:

Master of Arts in Theatre

Students who complete the M.A. in Theatre will have:

- Read a broad representative sampling of world dramatic literature.
- Mastered an overview of the history of the theatre, along with some specialized knowledge of a chosen era, aesthetic movement or artist in a historical-cultural context.
- Learned the research skills that will make it possible to pursue an advanced degree.
- Demonstrated ability to communicate ideas in clear and correct writing in English.
- Become familiar enough with various components of the art of the stage to be able to interact effectively with theatre professionals.

Master of Fine Arts in Acting

Students graduating with an M.F.A. in Acting from UMKC should be expected to demonstrate the following:

- A detailed understanding of their individual processes as actors through which they find the physical, vocal, emotional and intellectual availability to meet the requirements of a given role. This shall include but not be limited to:
  - A working knowledge of the human voice as a primary means of communication.
  - A working knowledge of the human body as a primary means of communication.
  - A working knowledge of the human psyche as a primary means of motivation.
  - A working knowledge of research methods through which to gain an understanding of the circumstantial life of a character.
- An experiential knowledge of theatrical performance genres from classical roots through contemporary theatre.
- A strong familiarity with a wide range of dramatic literature.
- The ability to work with directors of varying working processes and communication styles.
- The ability to work in collaboration with an ensemble of artists.

Master of Fine Arts in Design and Technology

Students graduating with an M.F.A. in Design and Technology from UMKC will have a detailed understanding of their individual processes as designers through:

- Design - mastering interpretation, collaboration and idea development.
- Technical Skills - mastering the tools of production.
- History - mastering research, text analysis and dramatic history.
- Production - mastering the artistic merging of design, history and technical skills through the experiences of numerous and varied productions.
- Entrepreneurship - mastering the business of the profession and career growth.

Upon completion of the course of study, graduates will have created portfolios of such quality as to effectively introduce themselves to the profession as artists ready for assignments.

The graduate from this program will be prepared to design for the best major and regional theaters.

MASTER OF ARTS

The M.A. degree in theater is a research-oriented, two-year degree that will prepare students for admission to Ph.D. programs. Students may plan their programs centered

on theater history and dramatic literature or on playwriting, either one with an optional component in dramaturgy. Opportunities exist for M.A. students to serve as dramaturg or assistant to the director of academic and professional productions. A thesis is required to complete the degree. M.A. students are subject to the General Graduate Academic Requirements of the University for graduate study.

MASTER OF FINE ARTS

The acting program is a three-year, minimum 60-credit-hour professional actor-training program interacting with the Kansas City Repertory Theatre, a professional Equity LORT B Theatre. M.F.A. students are subject to the General Graduate Academic Requirements of the University for graduate study.

First Year

The first year of training is a highly disciplined, process-oriented period of study including: a morning group warm-up; collaboration class integrating students and faculty from each area of study; intensive Linklater voice production; basic speech work; text analysis; reading aloud; individualized fitness and nutritional programs, alignment and self-use process; physical approaches to characterization including physical isolations and effort shape; neutral, extreme and character mask work; acrobatics; ballroom and ballet or modern dance; and the actor's process based on Stanislavskian principles of theatrical truth; building a character; and ensemble play. Performance work includes the first-year social issues project, a Shakespearean project and a contemporary character project.

Second Year

In the second year of training the student actor continues with a morning warm-up collaboration class; Linklater voice production integrated with intensive speech work; a study of dialect that includes a primary source project (with a study of movement patterns as well as dialects); private and ensemble singing; stage combat (unarmed, rapier, dagger, broad sword and quarter staff); subtle energy work; period-style movement including social convention and dance; Commedia dell' arte characterization, mask work and personal clown; continued work on acting Shakespeare; intensive work on Moliere verse text integrated with the period-style movement; restoration or other heightened language text; and application of the actors process to audition technique and contemporary text. Second-year actors begin public performance work with guest and faculty directors on new, contemporary and period plays chosen specifically for the training needs of the second-year class. Occasionally, roles at the Kansas City Repertory Theatre are available for second-year actors.

Third Year

Third year actors continue to apply their craft to challenging studies in Shakespeare, Shaw, Shepard, etc.; ongoing solo and ensemble exploration in personal clown; foil and saber fencing; singing; tutorials in speech and movement; and audio drama, voice over and extensive acting for the camera. Public performance work intensifies with specific productions chosen to challenge the actor's art within the training program. Actors also audition for a Kansas City Repertory production and are cast, when appropriate, in roles or as understudies. Actors also audition and perform, when appropriate, in other Kansas City professional Equity theatres. The year ends with a production chosen for the class with a guest director of national prominence. In May, the actors are showcased in New York as part of the New League showcase sponsored by the Alliance for the Development of Theatre Artists, Inc.

RETENTION

In addition to being expected to maintain at least a 3.0 grade-point average, all M.F.A. acting candidates will be evaluated by the performance faculty at the end of each semester to determine whether they have shown satisfactory progress to warrant continuation in the program.

MASTER OF FINE ARTS - DESIGN AND TECHNOLOGY

This is a three-year program requiring a minimum of 60 credit hours.
Students majoring in design and technology may choose to specialize in:

- Design (scenic design, costume design or costume technology, lighting design, sound design).
- Technical direction.
- Stage management.

Design Emphasis

Those choosing a design emphasis will be prepared to compete for United Scenic Artist Local 829 membership as scenic designers, lighting designers, costume designers or sound designers. They also will be prepared to design in professional theatre centers and in major universities and colleges.

Technology Emphasis

Technical Direction

Candidates specializing in technology will be trained to compete for jobs as technical directors or assistant technical directors and other supervisory technical positions, or other entertainment-business-related positions.

Stage Management

Stage management candidates serve as assistant stage managers the first semester or first year, as stage managers the second year, and serve a residency in the last semester. They also work as production assistants for the Kansas City Repertory Theatre shows. Candidates in stage management are trained to compete for jobs as Actors' Equity stage managers and take classes on the Actors' Equity LORT rule book.

General Requirements

The portfolio to be presented for admission should include:

1. Artistic renderings.
2. Drafted materials.
3. Photographs and slides.
4. Resume and references.

Only students who have demonstrated satisfactory progress in required skills and professional discipline during the first year will be invited by the faculty to return for a second year. During the second year, the design and technology students will concentrate on areas of interest, choosing advanced courses and working in the appropriate production areas. Third-year residency allows students to continue to emphasize design or technology coursework while undertaking major design or technology projects with productions in the Department of Theatre, the Kansas City Repertory Theatre or other professional environments. The concluding requirements of the M.F.A. degree for the design and technology candidate will be classroom projects, produced work and final presentations of portfolios. M.F.A. students are subject to the General Graduate Academic Requirements of the University for graduate study.

Biological Sciences, School of

SCHOOL OF BIOLOGICAL SCIENCES

- Master of Science in Cellular and Molecular Biology

- Emphasis in Bioinformatics
- Master of Arts in Biology
- Doctor of Philosophy Study

Master of Science in Cellular and Molecular Biology

Degree Requirements

	Thesis option Hours
LSMBB 5561/5562 General Biochemistry I and II	8
LSMBB 5611**-or-** LSCBB 5612 Seminar	1
LSMBB 5599**-or-** LSCBB 5599 Thesis Research	6
Electives	15
Total	**30**

Elective courses may be selected from the following list or from other alternatives approved by the School of Biological Sciences Graduate Programs Committee: LSCBB 5505, 5520, 5530, 5566, 5569, 5596, 5597; LSMBB 5503, 5565, 5567, 5596, 5597. A limited number of credit hours of upper-level undergraduate courses may be allowed.

Students pursuing the thesis option must also satisfactorily complete written and oral thesis exams.

	Non-thesis option Hours
LSMBB 5561/5562 General Biochemistry I and II	8
LSMBB 5611**-or-** LSCBB 5612 Seminar	1
BIOL 5593 M.S. Topics	3
Electives	24
Total	**36**

Elective courses may be selected from the following list or from other alternatives approved by the School of Biological Sciences Graduate Programs Committee: LSCBB 5505, 5520, 5530, 5538, 5566, 5569, 5596, 5597; LSMBB 5503, 5538, 5565, 5567, 5596, 5597. A limited number of credit hours of upper-level undergraduate courses may be allowed.

Emphasis in Bioinformatics

The emphasis in bioinformatics is a degree option with specific requirements.

This degree option trains students in the fundamental principles of bioinformatics and prepares them for careers in research, medical and corporate settings. Students will learn how to manage and analyze data stored in databases, become familiar with the various computational tools and techniques available to analyze biological data, become familiar with the types of questions and problems within biology that lend themselves to bioinformatics analysis and gain proficiency with a variety of statistical techniques necessary to analyze genomic, proteomic and integrated biological data sets.

Emphasis requirements, in addition to the specified degree requirements.

Required electives:		**Hours**
BDS 5508	Statistical Analysis in Business	
-or-		
BIS 5502	Management Information Systems	3
BIOL 5519	Principles of Evolution	3
BIOL 5525	Bioinformatics and Data Analysis	3
Total		**9**

Master of Arts in Biology

Degree Requirements

The master of arts program of study requires a minimum of 36 credit hours. No more than 40 percent of the program may be at the 300- to 400-level; the balance must be at the 5500-level or above. Master of Arts Topics in Biology, BIOL 5592, is required on an approved topic for an extensive investigation with oral presentation. This investigation may be accomplished through literature search or laboratory experimentation. No more than six hours of BIOL 5591, Directed Individual Studies, may be applied to this program.

Students typically pursue the master of arts in biology and a certificate in the Truman Medical Center Nurse Anesthesia Program concurrently. For information about admission and degree requirements, students interested in the CRNA certificate should first contact the School of Nurse Anesthesia at Truman Medical Center, and then contact the School of Biological Sciences. Admission by both programs is required.

Doctor of Philosophy Study

The Ph.D. program at UMKC is interdisciplinary. Students interested in studies at the doctoral level in the disciplines of cell biology and biophysics, *or* molecular biology and biochemistry, should apply to the Interdisciplinary Ph.D. program in the School of Graduate Studies. Students interested in a combination of cell biology and biophysics *with* molecular biology and biochemistry should apply to our graduate programs at http://sbs.umkc.edu/programs/graduate/application.html or by writing to the mailing address at the beginning of this section.

Detailed information on the general and discipline-specific admission requirements for the Ph.D. is found in the School of Graduate Studies section of this catalog, with specific details on the school's Web site at http://www.umkc.edu/iphd.

Students pursuing Interdisciplinary Ph.D. studies who have selected cell biology and biophysics, or molecular biology and biochemistry as one of their disciplines should consult the School of Graduate Studies section of this catalog for degree requirements and other academic regulations applicable to their degree program.

Business and Public Administration, Henry W. Bloch School of

Henry W. Bloch School of Business and Public Administration

- Student Learning Outcomes
- Master of Business Administration
- Master of Public Administration
- Master of Science in Accounting
- Doctor of Philosophy

Student Learning Outcomes

Master of Business Administration (MBA)

The Bloch School MBA graduate will develop a professional perspective for a career in business, and will be able to:

- Communicate effectively in both oral and written forms.
- Develop an understanding of the functional skills of financial reporting, analysis, and markets; domestic and global economic environments of organizations; creation and distribution of goods and services; and human behavior in organizations; and their inter-relationship.
- Gain a perspective of ethical and global business issues.
- Understand the influence of political, social, legal and regulatory, and environmental and technological issues on business.
- Manage the impact of demographic diversity on organizations.
- Use and apply quantitative analysis skills.
- Demonstrate appropriate use of computerized business applications.

Executive Master of Business Administration (EMBA)

Graduates of the Bloch School's EMBA program will gain the business knowledge skills needed to excel as executives, entrepreneurs, and leaders. The EMBA graduate will:

- Define, analyze and evaluate decisions through an integrated analysis by using tools found in the major disciplines in the fields of business.
- Devise solutions for a variety of business problems and issues by using cohesive and logical reasoning patterns.
- Conceptualize a complex issue into a coherent written statement and oral presentation.
- Integrate leadership ideas and insights gleaned from coursework and deftly apply these to complex leadership scenarios. In addition, our students will show a much greater awareness of their own leadership strengths and development areas, and will be engaged in the lifelong process of taking action to strengthen their leadership competencies.
- Be exposed to and will comprehend the forces and personalities that shape America's business policy by working effectively in business policy teams.

Master of Public Administration (M.P.A.)

Graduates of the Master of Public Administration will acquire organizational, leadership, and managerial knowledge and skills to effectively lead public service organizations. Specifically, the students will:

- Demonstrate analytical/decision-making skills, including the appropriate use of technology applications.
- Use administrative and organizational skills.
- Practice strong communication skills.
- Show an understanding of ethical issues in managing public service organizations.
- Demonstrate self-confidence as a leader to deal with the non-standard solution (often termed ambiguity).
- Develop the ability to work in teams and network with other public administrators.
- Develop an appreciation of diversity within communities.

Master of Science in Accounting (M.S. in accounting)

Graduates of the Master of Science in Accounting degree program will:

- Meet all requirements needed for entry into the profession.
- Demonstrate the essential knowledge, skills and abilities to work effectively in teams.
- Define, analyze and devise solutions for structured and unstructured problems and issues by using cohesive and logical reasoning patterns for evaluating information, materials, and data.
- Recognize and analyze ethical problems and choose and defend resolutions for practical situations that occur in accounting in accordance with the accountant's professional responsibility.
- Conceptualize a complex issue into a coherent written statement.

Master of Business Administration

The Bloch School offers a master of business administration (MBA) and an executive master of business administration (EMBA). Students enrolling in the MBA program are required to choose among eight emphasis areas, and their programs will consist of between 30 and 48 credit hours. Most MBA students attend evening courses on a part-time basis and admission is available in the fall, spring and summer semesters. EMBA students enter a cohort-based, lockstep program that offers an integrated curriculum with the themes of leadership, strategic thinking, and innovation woven throughout the program. This full-time program meets three times per month, (one Friday/Saturday and one additional Saturday) over a 21-month period, with admission taking place only in the fall.

MBA general administration courses stress the knowledge and skills needed to deal with an organization and its personnel. The functional courses (accounting, finance, production, economics and marketing, and information technology) develop specialized knowledge and skills. In addition, the MBA program stresses leadership and the related social and public responsibilities for those in business.

The Curriculum

The MBA degree requires a minimum of 30 hours and a maximum of 48 hours, depending upon the student's educational background. (Of the total 30-48 hours, 12-18 hours beyond the core must be outside the student's area of emphasis).

Students may pursue the MBA program full-time or part-time. Students who have completed the Bloch School B.B.A. or B.S. in accounting programs with grades of C or better in required courses, and who have met MBA admissions standards, may enter directly into the courses beyond the core of the MBA program and complete the degree requirements with 30 hours of coursework. Additionally, students who have completed an undergraduate business degree from an AACSB-accredited institution and have met the MBA admissions standards, are waived from the core with a grade of C or better in the equivalent undergraduate courses.

Students with prior coursework in business (C or better grades) may be exempted from up to 18 credit hours of the 48 required for the degree. Waivers and exemptions are determined based on documentation provided by the student.

Previous college work in business is not required, but students with no preparation in mathematics and computer applications must complete Math 110 and MIS 203.

1. Core Courses: 24 Hours

- ACTG 5517 Survey of Accounting
- BA 5501 Economics for Administration
- BA 5519 Operations Management
- BA 5531 Marketing
- BA 5532 Financial Management
- BDS 5508 Statistical Methods for Administrative Decisions
- BMA 5505 Organizational Behavior
- BMA 5510 Legal and International Environment of Business

2. Beyond Core Courses: 24-30 Hours

The minimum of 30 credit hours must be completed for the MBA degree, with additional hours possibly required based on educational background. The following must be completed:

- BMA 5537 Competitive Strategies
- Emphasis Area (12 hours)
- Electives (9-15 hours outside of emphasis)

MBA Emphasis Areas

The MBA program offers advanced study in eight emphasis areas:

- Entrepreneurship
- Finance
- General Management
- International Business
- Leadership and Change in Human Systems
- Management of Information Systems
- Marketing
- Operations Management

Each emphasis area is comprised of 12 hours. No more than 12 hours from any one area (beyond the core) can be used toward the MBA. For the most current information on emphasis areas, consult the Bloch School Web site at http://www.bloch.umkc.edu/graduate/mba/mba-emphasis/index.aspx.

Students can, with the consent of appropriate faculty, select any other Bloch courses that might fit within the emphasis areas listed below (courses outside the Bloch School require special approval). Students are strongly encouraged to work closely with an adviser in planning their programs so that the courses they choose will be of interest and benefit to them while fulfilling the requirements of the degree. Emphasis areas follow.

Entrepreneurship (12 hours)

Four courses selected from the following:

- ENT 5515 Entrepreneurship Boot Camp
- ENT 5525 Entrepreneurship: Managing Creativity and Innovation
- ENT 5535 Small Business Management and Entrepreneurship
- ENT 5541 Personal Entrepreneurial Strategy
- ENT 5542 Technology & New Ventures I
- ENT 5543 Technology & New Ventures II
- ENT 5545 Entrepreneurship and New Venture Creation
- ENT 5585 Venture Capital Finance and Investment
- ENT 5587 Seminar in Entrepreneurship
- ENT 5591 Small Business Management Practicum
- ENT 5597 Independent Research in Entrepreneurship
- Any other course approved by Entrepreneurship faculty.

Finance (12 hours)

- BA 5550 Advanced Financial Management Theory and Policies

Plus nine hours selected from the following:

- BA 5551 International Financial Management
- BA 5552 Financial Markets and Institutions
- BA 5553 Investment Analysis
- BA 5556 Management of Financial Intermediaries
- BA 5557 Derivative Securities
- BA 5558 Risk Management and Insurance
- BA 5559 Strategic Financial Management
- BA 5580 Seminar in Finance

General Management (12 hours)

Select one course from four of the following course areas: Leadership and Change in Human Systems, Law and Society, Strategy and Planning, International Business, or Entrepreneurship (a list of courses in each area is available on the Bloch School Web site at http://www.bloch.umkc.edu/graduate/mba/mba-emphasis/index.aspx#gm).

International Business (12 hours)

Four courses selected from the following:

- BA 5544 Supply Chain and Logistics Management
- BA 5551 International Financial Management
- BMA 5504 International Management
- BMA 5550 Operation of International Business
- BMA 5555 International Marketing
- BMA 5587 Seminar in International Management

Leadership & Change in Human Systems (12 hours)

Four courses selected from the following:

- BMA 5516 Leading Teams
- BMA 5533 Leadership and Change in Organizations
- BMA 5560 Strategic Human Resources
- BMA 5566 Strategic Staffing
- BMA 5567 Total Rewards Management
- BMA 5583 Leading With Integrity

Management of Information Systems (12 hours)

Four courses selected from the following:

- ACTG 5567 Information Systems Control and Audit
- ACTG 5569 Information Systems Consulting
- BDS 5528 Decision Support Systems
- BIS 5552 Data Base Management
- BIS 5554 Systems Analysis, Design and Engineering
- BIS 5556 Distributed Information Technology
- BIS 5558 Management and Economics of Computing
- BIS 5569 Information Systems Consulting
- BIS 5580 Seminar in Information Systems

Additional elective courses may be selected from the following:

- BA 5542 ERP - Enterprise Resource Planning Systems
- BA 5543 Project Management
- BA 5544 ERP - Supply Chain and Logistics Management
- BDS 5530 Introduction to Management Science
- BDS 5545 Forecasting Theory and Applications
- BDS 5546 Management Science II

Marketing (12 hours)

- BA 5575 Advanced Marketing Strategy

Plus nine hours selected from the following:

- BA 5539 Management in Direct Marketing
- BA 5560 Buyer Behavior
- BA 5561 Promotional Strategies in Marketing
- BA 5562 Marketing Research
- BA 5563 Direct Marketing Theory
- BMA 5555 International Marketing

Additional elective courses may be selected from the following:

- BIS 5552 Data Base Management
- BDS 5545 Forecasting Theory and Applications
- ECON 5525 Econometric Methods

Students may confer with a faculty member to select courses that concentrate in Marketing Research and Analysis, Direct Marketing, or other fields; students with an interest in Direct Marketing should complete the following courses: BA 5539, BA 5563, and BIS 5552. These are not, however, separate emphasis areas.

Operations Management (12 hours)

Required nine hours:

- BA 5542 ERP - Enterprise Resource Planning Systems
- BA 5543 Project Management
- BA 5544 ERP - Supply Chain and Logistics Management

Select one of the following:

- BA 5540 Service Operations Management
- BA 5541 Total Quality Management
- BA 5547 Contemporary Issues in Operations Management

Normally, two or more electives should be selected from the following:

- BDS 5530 Introduction to Management Science
- BDS 5545 Forecasting Theory and Applications
- ACTG 5556 Cost Management
- BIS 5502 Management of Information Systems

Note: Students should ensure that prerequisites are taken in the proper sequence. Prerequisites and program requirements may change. Consult the Bloch School Web site at http://www.bloch.umkc.edu for current information.

Executive MBA Program

http://www.bloch.umkc.edu/graduate/emba/index.aspx

The Bloch Executive MBA (EMBA) provides an intensive learning environment in which experienced professionals develop the business knowledge and leadership skills necessary for today's senior leaders. The program offers relevant and innovative experiences via a comprehensive integrated curriculum, field experiences, and residencies. It is distinguished by an emphasis on teamwork, hands-on projects, and learning activities that contribute substantial value to participants, employers and the larger community.

The 21-month program is taught in six, 12 week terms, and focuses on three core elements of leadership, strategic thinking and innovation. Four residencies focused on leadership, innovation, public policy and the global marketplace provde an in-depth understanding of the key factors that influence success. A variety of teaching formats, including case studies, group projects, interactive discussions and renowned guest lecturers provide a unique and stimulating learning environment.

Students enter the program in the fall in a cohort group that continues through the 21-month program. The advantages of a cohort experience are enhanced by multiple team-based assignments. Daylong sessions are held on Fridays and Saturdays in alternating weeks during the regular academic year.

Participants in the Bloch Executive MBA form a powerful network of high-caliber leaders from diverse industries and progress through the program as a cohort. This team approach allows for the sharing of multiple perspectives on diverse subjects. The 21-month program begins each September, and daylong classes meet just three days per month (one Friday/Saturday and one additional Saturday). Classes do not meet in the summer.

Participants are selected from a broad range of diverse industries, enabling enhanced collaboration and team-based problem solving. The Bloch Executive MBA is designed for experienced professionals who typically possess a minimum of 8 years of work experience, with significant management experience. Admissions decisions are based on a combination of a solid academic record, demonstrated professional achievement and evidence of a strong commitment to success. For further information, contact the Executive MBA program at, (816) 235-**5659** or visit the Web site at http://www.bloch.umkc.edu/graduate/emba/index.aspx.

Prerequisites

To ensure that all students are knowledgeable of the same business basics, the program starts with on-line tutorials of preparatory material on key subject areas including: finance, accounting, statistics and economics. After reviewing the coursework, students who wish to spend additional time with faculty in any of these areas will have an opportunity to do so during evening sessions before the Leadership Week. Overviews of spreadsheet analysis and word processing will also be available.

Year One

Leadership Week

- Business Strategy Overview
- Financial Decisions and Societal Goals
- Decision Making with Uncertainty
- Team and Community Building

Term 1

- Financial Reporting Systems
- Leadership and Organizations
- Applied Statistical Methods
- Marketing Management

Term 2

- Organizational Finance
- Managerial Economics
- Operations Management for World Class Competitiveness
- Strategic Marketing

Term 3 (culminates in the Washington, D.C. Residency)

- Information Systems for Management Planning and Control
- Advanced Organizational Finance
- Power and Influence
- Public Policy Context for Business Decisions

Year Two

Leadership Week

- New Venture Creation and Product Innovation
- Managing a High-Growth Business

Term 4

- Strategic Management
- Managing People for Strategic Advantage: Design, Staffing and Development
- Aggregate Economic Analysis & National Policy
- Managing Quality and Suppliers for Competitive Advantage

Term 5

- Innovation & Entrepreneurship I **-or-** Organizational Valuation and Financial Modeling 1
- Management of Organizational Change
- Information Technology as a Strategic Tool
- Pricing Strategy for New and Ongoing Enterprises

Term 6 (culminates in the International Residency)

- Innovation & Entrepreneurship 2 **-or-** Organizational Valuation and Financial Modeling 2
- Global Initiatives in Management
- Legal Issues for Today's Leaders/Corporate Governance
- Integrated Business Strategies (Capstone)/Ethics

Note: Courses during the terms will be 12 weeks long.

Combined J.D. / MBA Program

The Bloch School and UMKC School of Law offer the combined J.D. and MBA program. Students must satisfy the admission and degree requirements for each school. For further information, contact the School of Law or consult the Bloch School Web site at http://www.bloch.umkc.edu/graduate/mba/jd-mba-joint-program/index.aspx.

MASTER OF PUBLIC ADMINISTRATION

Public service offers a career filled with excitement, challenge, and significance. Opportunities are numerous, ranging from positions in local, state, national and international agencies to those in health institutions and nonprofit organizations. There has never been a greater opportunity for public service leaders and executives who can apply their knowledge and skills to solving the most important leadership and community challenges facing these organizations in an increasingly complex and changing world. The master of public administration degree program is offered through the Department of Public Affairs.

The Curriculum

The M.P.A. degree will be awarded on completion of 36 semester hours, consisting of 21 hours of required core courses, 9 to 12 hours in a selected emphasis area and up to 6 hours of electives. An internship is recommended for any student without substantial work experience in public, nonprofit or health administration. Individual courses may be waived if a student presents evidence of adequate undergraduate study, but other courses for graduate credit must be substituted to meet the minimum of 36 hours.

Core Curriculum (21 hours)

The following courses are required for each student:

- PA 5510 Research Methods in Public Administration
- PA 5526 The Politics of Administration
- PA 5548 Leadership for Public Service
- BMA 5513 Economic Policy and Managerial Control
  -or-
  BA 5501 Economics for Administration
- PA 5525 Financial Accountability and Policy Development
- PA 5544 Program Evaluation & Analysis
- PA 5530 Capstone Seminar in Public Administration

Students selecting the health services administration emphasis have the following core requirements:

- PA 5510 Research Methods in Public Administration
- PA 5526 The Politics of Administration
- PA 5548 Leadership for Public Service
- PA 5530 Capstone Seminar in Public Administration
- HA 5578 The Evaluation and Control of Health Services
- HA 5571 Financial Management Issues in Health and Human Service Organizations
- HA 5585 Seminar in Health Services Administration: Economics of Health and Medicine

Electives (Up to 6 hours)

Elective courses may be selected from public administration, including courses in the student's chosen emphasis area. Courses may also be selected from political science, economics, psychology, sociology, as well as from other graduate fields with approval of the faculty adviser.

Emphasis Areas (9-12 hours)

Students seeking the master of public administration degree may specialize in five emphasis areas:

- Health Services Administration
- Nonprofit Management
- Urban Administration
- Strategic Human Resources
- Organizational Behavior

A student may also tailor a general or specific program in order to meet individual talents, needs or job requirements. Such a program must be developed in consultation with a faculty adviser. Each course is worth three credits unless otherwise noted.

Health Services Administration (9 hours)

- HA 465 Contemporary Issues in Urban Public Health
- HA 5575 Long-Term Care Policy and Administration
- HA 5577 Health Service Administration and the Health Professions
- HA 5585 Seminar in Health Services Administration
- HA 5586 Supervised Research in Health Services Administration (independent study or internship)

Nonprofit Management (12 hours)

- PA 455 Nonprofit Leadership Issues
- PA 495 Voluntarism, Philanthropy and the Nonprofit Sector in the United States
- PA 5551 Strategic Management in Nonprofit Organizations
- PA 5552 Community Organizations and Public Policy
- PA 5553 Legal Framework and Financial Management in Nonprofit Organizations
- PA 5555 Topics in Nonprofit Fundraising (1-2 hours each)
- PA 5556 Innovation in Nonprofit Management and Leadership
- PA 5598C Supervised Research in Nonprofit Management
- HA 5571 Financial Management Issues in Health and Human Services Organizations

Students choosing the nonprofit emphasis should choose **at least six** of their twelve emphasis area credit hours from among the following courses: PA 495, PA 5551, PA 5552, PA 5553, and PA 5556.

Urban Administration (9 hours)

Required:

- PA 5535 Urban Policy and Administration

Two courses selected from the following:

- PA 5536 Managing Urban Economic Development
- PA 5538 Comparative Urban Administration
- PA 5539 Urban and Regional Planning for Urban Administrators
- PA 5552 Community Organizations and Public Policy
- PA 5565 Topics in Community Economic Development (1 credit hour each)
- PA 5581 Seminar in Urban Administration
- PA 5598C Supervised Research in Urban Administration
- PA 5593 Internship*

* Students choosing the urban administration emphasis are allowed no more than three hours of internship to fulfill the emphasis area. Additional internship hours will count as electives.

Strategic Human Resources (9 hours)

Required:

- BMA 5560 Human Resources Management

Two courses selected from the following:

- PA 5570 Diversity in the Workplace
- BMA 5566 Strategic Staffing
- BMA 5567 Total Rewards Management
- BMA 5597B Independent Research in Human Resources

Organizational Behavior (9 hours)

Three courses selected from the following:

- BMA 5516 Leading Teams
- BMA 5533 Leadership and Change in Organizations
- BMA 5580 Seminar in Organizational Behavior
- BMA 5583 Leading with Integrity
- BMA 5597D Independent Research in Organizational Behavior

Note: Students should ensure that prerequisites are taken in the proper sequence. Prerequisites and program requirements may change. Consult the Bloch School Web site at http://www.bloch.umkc.edu for current information.

The B.A. (Urban Affairs)/M.P.A. Program

Students obtaining a B.A. in Urban Affairs in the College of Arts and Sciences may pursue early admission to the master's degree program in public administration and obtain a master's degree in one additional year. The program allows students to utilize some of the M.P.A. courses to satisfy urban affairs requirements, thereby reducing the number of courses needed to complete both degrees. Students interested in this option should contact Professor Robyne Turner in the Department of Public Affairs of the Bloch School or Professor Steven Driever, Director of the Urban Affairs program in the College of Arts and Sciences.

The B.B.A./M.P.A. Program

Students completing the bachelor of business administration may complete their M.P.A. degree in one additional year at UMKC (three semesters) if they meet entrance requirements for the public administration graduate program. For more information about this option, contact the Bloch School Student Services Office.

Combined J.D./M.P.A. Program

The Bloch School and the UMKC School of Law offer a combined J.D. and M.P.A. program. Students must satisfy the admission and degree requirements for each school. Students *fully admitted* to the School of Law are exempt from the GRE requirement for admission to the M.P.A. program. For further information, contact the School of Law or consult the Bloch School Web site at http://www.bloch.umkc.edu/graduate/mpa/jd-mpa-joint-program/index.aspx.

MASTER OF SCIENCE IN ACCOUNTING

Advances in technology and organizational sophistication -- in corporations, not-for-profit organizations, government and public accounting -- are causing dynamic changes in the accounting profession. Such developments require that the educational experience of the accountant be expanded.

Unified Five-Year Program

The approach of the Department of Accountancy to these expanded educational needs is a unified five-year program of study, leading to the bachelor of science in accounting and the master of science in accounting degrees. Students may pursue advanced study in accounting, audit, and taxation. The program is designed with flexibility to allow students the following options:

- Completion of the entire five years at UMKC.
- Entry into the program as an undergraduate transfer student.
- Entry into the program at the graduate level with completion of an undergraduate degree at another university.

Note: Full admission to the graduate program is available to applicants with accounting or non-accounting backgrounds.

The Curriculum

The master of science in accounting program encompasses advanced analysis in a variety of areas. The total hours required are dependent on the focus of the student's undergraduate coursework. Students may be exempt from certain course requirements based on prior business and accounting coursework and grades earned, with exemptions determined at the time of initial advising and enrollment. Students with no preparation in mathematics and computer applications must complete Math 110 and MIS 203.

M.S. in Accounting - Non-Accounting Undergraduates

This program is designed for students with little or no undergraduate accounting coursework. It provides comprehensive coverage of accounting topics necessary for a professional career in the field. Completion of the program also qualifies students for the various examinations leading to professional certification. Stage One identifies prerequisite accounting and business courses that provide the foundation for the Stage Two courses required for the M.S. in accounting degree. Stage One courses may be waived based on equivalent undergraduate coursework taken as part of a bachelor of business administration degree from UMKC or equivalent program. This program is outlined below.

Stage One

- ACTG 307/5556 Cost Management
- ACTG 310 Intermediate Accounting I
  -or-
  ACTG 5558 Financial Accounting Theory
- ACTG 350 Accounting Systems & Controls
- ACTG 5517 Survey of Accounting
- BA 5501 Economics for Administration
- BA 5519 Operations Management
- BA 5531 Marketing
- BA 5532 Financial Management
- BDS 5508 Statistical Methods for Administrative Decisions
- BMA 5505 Organizational Behavior
- BMA 5510 Legal and International Environment of Business
  -or-
  BMA 5506 Contract Negotiation and Dispute Resolution
  -or-
  BMA 5508 Law of Business Associations

Stage Two

(30 credit hours beyond Stage One)

- ACTG 311 Intermediate Accounting II
- ACTG 5560 Introduction to Auditing
- ACTG 5559 Advanced Financial Accounting Theory
- ACTG 421 Governmental/Not-for-Profit Accounting
- ACTG 5557 Introduction to Income Taxation
- ACTG 5570 level course in Managerial Accounting
- ACTG 5570 level course in Financial Accounting
- ACTG 5570 level course in Auditing
- ACTG 5570 level course in Tax
- Approved Accounting elective, 5561 or higher

M.S. in Accounting - Accounting Undergraduate

Students with an undergraduate degree in accounting may complete the M.S. in accounting program in a minimum of 30 semester hours. Examples of focus areas which students may select follow:

Accounting/Audit Focus (30 hours)

Hours	
ACTG 5570 level courses in each of the following: managerial, financial, auditing and tax	12
Approved financial accounting or auditing electives (Accounting 5561 or higher)	6
Approved electives	12

Taxation Focus (30-33 hours)

Hours	
ACTG 5571, 5572, 5573, 5574, 5576	15
ACTG 5570 level courses in managerial, financial and audit	9
Approved electives	6-9

Note: Students should ensure that prerequisites are taken in the proper sequence. Prerequisites and program requirements may change. Consult the Bloch School Web site at http://www.bloch.umkc.edu .

DOCTOR OF PHILOSOPHY

Through the Department of Public Affairs, and the Institute for Entrepreneurship and Innovation (IEI), the Bloch School participates in the Interdisciplinary Ph.D. program.

Information about discipline-specific admission and program requirements may be found in the School of Graduate Studies section of this catalog. Those interested in doctoral study also may wish to contact the coordinators of doctoral studies for these programs, Dr. Nicholas Peroff, Public Affairs, at (816) 235-**2341** and Dr. Mark Parry, IEI, at (816) 235-**6724**.

Computing and Engineering, School of

SCHOOL OF COMPUTING AND ENGINEERING

- Master of Science in Civil Engineering
- Master of Science in Mechanical Engineering
- Master of Science in Computer Science
  - Student Learning Outcomes
  - Curricular Description
  - Core Requirement
  - Emphasis Areas
  - Secondary Concentrations
  - Degree Requirement
- Master of Science in Electrical Engineering
  - Student Learning Outcomes
  - Degree Requirement
  - Academic Regulations

MASTER OF SCIENCE IN CIVIL ENGINEERING

- Master of Science with *coursework only* requires the completion of a minimum of 30 credit hours of graduate coursework (300-level or higher). The graduate coursework must include at least 18 credit hours of 5500/5600-level courses.
- Master of Science with *project* requires the completion of a minimum of 30 credit hours, which includes 27 credit hours of graduate coursework (300-level or higher) and three credit hours of independent project (CE 5500). At least 18 credit hours must be at the 5500/5600-level. The candidate must submit a report prepared per the adviser's guidelines and present the project work in front of a three-member project examining committee.
- Master of Science with *thesis* requires the completion of a minimum of 30 credit hours, which includes 24 credit hours of approved graduate coursework (300-level or higher) and six credit hours of thesis work (CE 5599). At least 18 credit hours must be at the 5500/5600-level. The candidate must submit a thesis prepared per the graduate school guidelines and orally defend the thesis work in front of a three-member thesis examining committee.

In addition, half of the required credit hours may be earned in other fields, such as management, geosciences etc., to allow students to broaden their education beyond the civil engineering field.

MASTER OF SCIENCE IN MECHANICAL ENGINEERING

- Master of Science with *coursework only* option requires the completion of a minimum of 30 credit hours of graduate coursework (300-level or higher). The graduate coursework must include at least 18 credit hours of 5500/5600-level courses.
- Master of Science with *project* requires the completion of a minimum of 30 credit hours, which includes 27 credit hours of graduate coursework (300-level or higher) and three credit hours of independent project (ME 5500). At least 18 credit hours must be at the 5500/5600-level. The candidate must submit a report prepared per the adviser's guidelines and present the project work in front of a three-member project examining committee.
- Master of Science with *thesis* option requires the completion of a minimum of 30 credit hours of graduate coursework (300-level or higher). The graduate coursework must include at least 24 credit hours of approved graduate coursework (300-level or higher) and six credit hours of thesis work (ME 5599). At least 18 credit hours must be at the 5500/5600-level. The candidate must submit a thesis prepared per the graduate school guidelines and orally defend the thesis work in front of a three-member thesis examining committee.

In addition, half of the required credit hours may be earned in other fields, such as management, mathematics, etc., to allow students to broaden their education beyond the mechanical engineering field.

STUDENT LEARNING OUTCOMES

Upon graduating, students will have demonstrated that they can apply the core technologies from computer science and from their chosen emphasis areas. They will have developed an analytical mindset and understand the limitations of current theories and technologies. They will be able to design a system under realistic constraints, which they are able to implement using modern tools and techniques. They will have had an opportunity to take in-depth course work in the area of computer networking, telecommunications, software engineering and bioinformatics.

CURRICULAR DESCRIPTION

The graduate program in computer science is unique and dynamic and is tailored for specialization in one of three emphasis areas:

- Bioinformatics
- Networking and Telecommunications
- Software Engineering and Systems

In addition to selecting an emphasis area, a student must select a concentration area as described below.

CORE REQUIREMENT

All students are required to complete a core curriculum of CS 5592 and two courses selected from CS 5520, CS 5551 or CS 5566.

EMPHASIS AREAS

All students are required to complete courses in an emphasis area. Students following the thesis option must complete at least nine credit hours from 5500/5600-level courses in this area. Students following the non-thesis option must complete at least 12 credit hours from 5500/5600-level courses in this area. The approved emphasis areas and associated courses are:

- Bioinformatics
  CS 5560, CS 5566, CS 5567, CS 5570, CS 5590 CI and others.

- Networking and Telecommunications
  CS 5511, CS 5513, CS 5514, CS 5517, CS 5520, CS 5521, CS 5522, CS 5526 and others.
- Software Engineering and Systems
  CS 5531, CS 5551, CS 5552, CS 5554, CS 5570, CS 5572, CS 5670 and others.

SECONDARY CONCENTRATIONS

All students are required to complete at least two 5500/5600-level courses in a concentration different from their emphasis area. Pre-approved concentrations and associated courses are:

- Bioinformatics
  CS 5560, CS 5566, CS 5567, CS 5570, CS 5590 CI and others.
- Networking and Telecommunications
  CS 5511, CS 5513, CS 5514, CS 5517, CS 5520, CS 5521, CS 5522, CS 5526 and others.
- Software Engineering and Systems
  CS 5531, CS 5551, CS 5552, CS 5554, CS 5570, CS 5572, CS 5670 and others.

If a student desires a concentration other than these, a petition must be submitted to the graduate committee requesting that a concentration be recognized for the student's specific degree plan. It should specifically state which courses the student wants to include in this concentration, it should explain why these courses together form a coherent group and how these courses fit the student's academic goals. Students must seek permission before including other courses in their program of study.

DEGREE REQUIREMENTS

To earn an M.S. degree in computer science, the student must satisfy both the general master of science degree requirements of the University of Missouri-Kansas City and the requirements of the CSEE Department for either the thesis or non-thesis option as outlined below.

Specific Requirements for the Thesis Option:

1. Complete a minimum of 27 hours of approved coursework for graduate credit with a cumulative GPA of at least 3.0.
2. Additionally, complete a minimum of three hours CS 5599 Research and Thesis.
3. Complete a minimum of nine hours in the emphasis area.
4. Contact a thesis adviser in the semester in which the student completes 12 hours of graduate work.
5. Present evidence of research abilities in the form of a master's thesis resulting from enrollment in at least three hours of CS 5599 Research and Thesis.
6. Pass a general oral examination which may cover all the work covered in the student's graduate program.
7. Satisfy all common requirements (see below).

Specific Requirements for the Non-Thesis Option:

1. Complete a minimum of 36 hours of approved coursework for graduate credit with a cumulative GPA of at least 3.0.
2. Complete a minimum of 12 hours in the emphasis area.
3. Contact an adviser after completing 12 hours of graduate work to complete the program of study.
4. Satisfy all common requirements (see below).

Common Requirements and Limitations for Both Options:

1. Satisfy the core requirement, presently CS 5592 and two of the three courses: CS 5520, CS 5551, and CS 5566.
2. Complete a minimum of six hours in the secondary concentration.
3. Each student must have a plan of study approved by both the student's supervisory committee and the graduate officer before the end of the semester in which the student completes 12 credit hours of graduate work.
4. No more than nine credit hours total from any transferred coursework taken outside the CSEE department and from CS 411, CS 421, CS 423, CS 457, CS 458, CS 461, (only one of CS 470 and CS 471), CS 493 and CS 494R can be used to satisfy degree requirements; these courses cannot be identical to courses already taken for a prior degree and must be completed with a 3.0 or higher GPA for each course used. Other 300- and 400-level courses do not count toward fulfillment of degree requirements.
5. No more than three hours of CS 5597 (directed readings) can be used to satisfy degree requirements. All CS 5597 courses to be applied to the master of science in computer science degree requirements must be approved by the SCE Master's Committee at least six weeks before classes begin.
6. No more than one course grade below 3.0 may be applied toward the degree requirements.

Transfer Credit

Not more than six hours of graduate credit may be transferred from another recognized graduate school or from another academic unit within UMKC. Transfer credit may be applied toward the master's degree requirements on the approval of the student's graduate adviser and the Master's Committee. No credit hours may be transferred when those hours have been used toward the completion of any other degree program, graduate or undergraduate. The total amount of transfer credit and credit from approved CS 400-level classes shall not exceed nine hours.

STUDENT LEARNING OUTCOMES

Upon graduating, students have demonstrated that they can apply the core technologies from their chosen areas within electrical engineering. They will have developed an analytical mindset and understand the limitations of current theories and technologies. They are able to design a system under realistic constraints, which they are able to implement using modern tools and techniques. They will also have had an opportunity to take in-depth course work in the area of computer engineering, digital signal processing, computational electromagnetics and antenna theory, telecommunications and computer networking.

DEGREE REQUIREMENTS

To earn a master of science in electrical engineering, the student must satisfy the general degree requirements and complete coursework that fulfills the requirements according to the thesis or non-thesis option. The specific requirements for the power engineering focus area are listed seperately.

Specific Requirements for the Thesis Option:

1. Complete a minimum of three hours and a maximum of six hours ECE 5599 Research.
2. Pass a final examination, which is an oral defense of the thesis.
3. Satisfy all common requirements (see below).

Specific Requirements for the Non-Thesis Option:

1. The following courses do not count toward this degree option: ECE 5599, ECE 5600 or ECE 5690.
2. Satisfy all common requirements (see below).

Common Requirements and Limitations for both Thesis Option and Non-Thesis Option:

(Note that the specific requirements for the power engineering focus area are listed seperately.)

1. At least 30 credit hours of 400-, 5500- or 5600-level coursework, completed within the past six years.
2. At least 21 hours of 5500/5600-level coursework.
3. At least 24 hours of ECE course work, see also below.
4. At least one three-hour course, at the 5500/5600-level, in each of three different concentration areas, with at least two of the areas in ECE; a list concentration areas with their courses is provided below.
5. Up to three credit hours of ECE 5597 Directed Readings and ECE 5697 Advanced Directed Readings, are allowed.
6. The following courses can be used to satisfy degree requirements and can be counted as equivalent to ECE courses: CS 5511, CS 5513, CS 5514, CS 5517, CS 5520, CS 5522 and CS 5594.
7. No more than six credit hours of transferable graduate coursework from another institution or from other degree programs within UMKC, as approved by the student's graduate faculty adviser.
8. The courses ECE 402WI, ECE 403WI, ECE 493R, ECE 494R (or their equivalents) do not count for graduate credit.

Specific Requirements and Limitations for the Electric Power Focus:

1. At least 30 credit hours of 400-, 5500- or 5600-level coursework, completed within the past six years.
2. At least 21 hours of 5500/5600-level coursework.
3. At least 18 hours of ECE course work, with at least 12 hours of ECE course work in the power concentration.
4. At least one three-hour course, at the 5500/5600-level, in each of three different concentration areas, with at least two of the areas in ECE.
5. Up to three hours of ECE 5597 Directed Readings and ECE 5697 Advanced Directed Readings, is allowed.
6. The following courses can be used to satisfy the power focus requirements. (Note: the course ECE 5567 is currently being developed and will be added to the catalog as soon as it has been approved.) ECE 460, ECE 466, ECE 468, ECE 470, ECE 472, ECE 5536, ECE 5567, ECE 5568, ECE 5590AE, ECE 5590MC, ECE 5660, ECE 5664, ECE 5670, ECE 5672, BA 5519 and BA 5532.
7. The following courses can be used to satisfy degree requirements and can be counted as equivalent to ECE courses: CS 5511, CS 5513, CS 5514, CS 5517, CS 5520, CS 5522 and CS 5594.
8. The following courses do not count toward this degree option: ECE 5599, ECE 5600 or ECE 5690.
9. No more than six (6) credit hours of transferable graduate coursework from another institution or from other degree programs within UMKC, as approved by the student's graduate faculty adviser.
10. The courses ECE 402WI, ECE 403, ECE 461, ECE 493R, ECE 494R (or their equivalents) do not count for graduate credit.

Concentration Areas

The faculty provide research and concentration area coursework in:

- Communication and information processing (signal and image processing, electro-optical systems, neural networks).
- Computers and digital systems (computer arithmetic, computer architecture and computer and digital systems).
- Wireless communications (system design, propagation modeling, antenna design, wireless networking, electromagnetic modeling).
- Power (electromechanical conversion I, electromechanical conversion II, power system I, power system II, electrical power distribution systems, reliability of electric power systems, economics of power systems, power systems stability, lightning and switching surges in power systems, application of power electronics in power systems, power systems relaying, direct current power systems, contracts and law for engineers and microcomputer control of power generation systems).
- Computer networking

ACADEMIC REGULATIONS

Dentistry, School of

SCHOOL OF DENTISTRY

- Four year Doctor of Dental Surgery program
  - Student Learning Outcomes
  - Curriculum
  - Academic Standards
  - Requirements for awarding a DDS degree
- Advanced Education Programs
  - Academic Standards
- Master of Science in Oral Biology
  - Curriculum
  - Thesis Research
  - Academic Requirements
- Master of Science Degree in Dental Hygiene Education
  - Requirements for Graduation
  - Required Courses for the Master of Science Degree

STUDENT LEARNING OUTCOMES

The following competencies have been adopted by the faculty as the skills, knowledge, and values every graduate must be able to consistently and independently demonstrate to qualify for graduation. The School of Dentistry assessment plan calls for these competencies to be assessed throughout the classroom, laboratory, and patient care experiences of the four year curriculcum through papers, presentations, case based examinations, and objective structured laboratory and clinical examinations.

The competencies expected of a graduate are:

- Apply legal and ethical principles to the practice of dentistry.
- Provide empathetic care for all patients, including members of diverse and vulnerable populations.
- Monitor professional knowledge and practice outcomes to develop and implement a plan of professional improvement.
- Participate in improving the oral health of individuals, families, and groups in the community through diagnosis, treatment, and education.
- Perform a complete dental examination to arrive at a diagnosis of the patient's oral condition.
- Develop, present and implement an integrated treatment plan to address a patient's dental needs.
- Manage medical emergencies and complications that may occur during dental treatment.
- Manage patients with pain and anxiety by the use of non-pharmacological and pharmacological agents.
- Select and administer or prescribe pharmacological agents in the treatment of dental patients.
- Treat patients with periodontal conditions.
- Treat patients with endodontic conditions.
- Treat patients with oral surgical needs.
- Diagnose potential or actual malocclusions.
- Treat patients requiring restoration of single defective teeth.
- Treat patients with partial or complete edentulism.
- Treat patients with soft tissue lesions and oral manifestations of systemic diseases.

CURRICULUM

The school offers a four-year, eight-semester, two-summer-term curriculum leading to the doctor of dental surgery (D.D.S.) degree. This curriculum is designed to prepare graduates in dentistry to deliver patient care with a scientific basis and a caring manner. As such, it provides a sound background in the biomedical, behavioral and clinical sciences with an emphasis on comprehensive oral health care. Exposure to clinical dentistry in the first semester of the first year is a hallmark of this curriculum.

The first year of dental school focuses on instruction in the biomedical sciences that provide a foundation for clinical studies. The first-year student also studies introductory courses in oral diagnosis and dental restorative techniques in a pre-clinical setting. Early clinical exposure is further emphasized through clinic-based courses in both the first and the second semesters. Acquisition of basic diagnostic skills and background knowledge is a goal of the first year of the curriculum.

Biomedical science courses extend into the second year; however, the major thrust of the second year is devoted to pre-clinical technique coursework of increasing complexity. In the preclinical laboratory courses, students continue learning the fundamental procedures of dentistry: operative dentistry, prosthodontics (fixed and removable), and endodontics. Clinically, students are introduced to the basic essential skills needed in preventive periodontics. Classroom lecture sessions are also conducted in each of these areas of dentistry along with didactic courses in periodontics, oral diagnosis, oral radiology, and oral surgery.

The primary emphasis of the third year of the curriculum is the clinical practice of dentistry. The general clinic is organized into subunits called teams. Each team includes an established set of faculty and staff. Patients are assigned to students for total care, from diagnosis and treatment planning through procedures necessary for successful case completion. While the emphasis of the third and fourth years of the dental curriculum is gaining clinical experience, students also attend advanced classes in periodontics, prosthodontics, oral surgery, orthodontics, pediatric dentistry, operative dentistry and oral diagnosis/oral medicine.

The fourth year involves extensive clinical practice. There are a few seminar sessions and formal courses (e.g., practice administration), but the student's major responsibility is to perfect diagnostic, patient-management and technical-treatment skills and demonstrate competence in all the skills required by the faculty of the School of Dentistry.

An outline of the four-year curriculum by semester is given below.

First Year

Fall Semester		**Hours**
BIO 203	Cell Biology	3.0
BMS 9300	Human Gross Anatomy I	5.0
LSBIOC 304	Biochemistry and Nutrition	4.0
BMS 9308	Histology I	2.5
DENT 6306	Introduction to Ethics and Professionalism	1.0
DENT 6310C	Clinical Assisting	3.0
DENT 6316	Dental Morphology I (Lec/Lab)	3.0
DENT 6328	Introduction to Dental Literature	1.0
Total Hours		**22.5**
Spring Semester		**Hours**
BMS 9301	Human Gross Anatomy II	5.0
LSPHYS 401	Physiology Lecture	5.0
DENT 6305	Operative Dentistry I Lecture	1.0
DENT 6305L	Operative Dentistry I Lab	2.0
DENT 6314C	Introduction to Oral Diagnosis	3.0
DENT 6317	Dental Occlusion (Lecture/Lab)	3.0
DENT 6335	Applied Neuroscience	2.0
DENT 6350	Histopathology (Lecture/Lab)	2.5
Total Hours		**23.5**

Second Year

Fall Semester		**Hours**
LSMCRB 4180	Microbiology	4.0
DENT 6410	Operative Dentistry II Lecture	1.0
DENT 6410L	Operative Dentistry II Lab	2.0
DENT 6412	Anesthesiology I Lecture	1.0
DENT 6414	Pathology I Lecture	4.0
DENT 6416	Complete Removable Prosthodontics I Lecture	1.0
DENT 6416L	Complete Removable Prosthodontics I Lab	2.0
DENT 6422	Fixed Prosthodontics I Lecture	1.0
DENT 6422L	Fixed Prosthodontics I Lab	2.0
DENT 6426	Oral Radiology Lecture	2.0
DENT 6430C	Preventive Periodontics	3.0
DENT 6435	Endodontics I Lecture	1.0
DENT 6436	Orthodontics: Growth and Development	1.0
Total Hours		**25.0**
Spring Semester		**Hours**
DENT 6312	Dental Behavioral Science I	1.0
DENT 6411	Operative Dentistry III Lecture	1.0
DENT 6415	Pathology II Lecture	2.0
DENT 6417	Removable Partial Prosthodontics	3.0
DENT 6420	Periodontics I and II	2.0
DENT 6423	Fixed Prosthodontics Lecture	1.0
DENT 6423L	Fixed Prosthodontics Lab	2.0
DENT 6431	Pediatric Dentistry I	1.0
DENT 6439	Medical Emergencies in the Dental Office	1.0
DENT 6440	Oral Surgery I Lecture	1.0
DENT 6441C	Treatment Planning	2.0
DENT 6442	Endodontics II Lecture	1.0
DENT 6442L	Endodontics II Lab	2.0
DENT 6524	Principles of Medicine and Physical Diagnosis	2.0
DENT 6526	Orthodontics I Lecture	1.0
DENT 6526L	Orthodontics I Lab	2.0
DENT 6556	Radiographic Interpretation	0.5
Total Hours		**25.5**

Third Year

Summer Term		**Hours**
DENT 6537	Oral Oncology	0.5
DENT 6501C	Introduction to Comprehensive Patient Care	8.0
Total Hours		**8.5**
Fall Semester		**Hours**
DENT 6312	Dental Behavioral Science I	1.0
DENT 6318	Dental Biomaterials Lecture	1.0
DENT 6424	Oral Diagnosis and Oral Medicine	2.0
DENT 6460C	Review of Pre-Clinical Dentistry	2.0
DENT 6502	Grand Rounds I	1.0
PHARM 5507	Pharmacology Lecture	3.0
DENT 6515	Periodontics III Lecture	1.0

DENT 6521	Oral Surgery II Lecture	1.0
DENT 6538	Orthodontics II	1.0
Clinic		9.0
Total Hours		**22.0**
Spring Semester		**Hours**
DENT 6522	Oral Surgery III Lecture	1.0
DENT 6526C	Preventive Dentistry	1.0
DENT 6527	Therapeutics	2.0
DENT 6534	Advanced Prosthodontics	1.0
DENT 6559	Dx & Mgt./Orafacial Pain	1.0
DENT 6595	Implant Dentistry	1.0
DENT 6602	Grand Rounds II	1.0
DENT 6633	Dental Public Health	1.0
DENT 6634	Community-Based Education I	1.0
Clinic		14.0
Total Hours		**24.0**

Fourth Year

Summer Term		**Hours**
DENT 6558	Radiographic Interp. II	0.5
DENT 6650	Applied Ethics	0.5
Clinic		9.0
Total Hours		**10.0**
Fall Semester		**Hours**
DENT 6429	Behavioral Science II	1.0
DENT 6514	Pathology III Lecture	1.0
DENT 6584	Case Presentation	0.5
DENT 6603	Grand Rounds III	1.0
DENT 6610	Anxiety/Pain Control in Dentistry	1.0
DENT 6613	Periodontal Treatment Planning	1.0
DENT 6617	Pediatric Dentistry Seminar	0.5
DENT 6630	Practice Administration I Lecture	1.0
DENT 6635	Community-Based Education II	1.0
Clinic		10.0
Total Hours		**18.0**
Spring Semester		**Hours**
DENT 6600	Review of Clinical Dentistry	1.0
DENT 6604	Grand Rounds IV	1.0
DENT 6605	Review of Clinical Dentistry II	1.0
DENT 6614	Dentistry for the Special Patient	2.0
DENT 6618	Dental Jurisprudence and Ethics	1.0
DENT 6631	Practice Administration II Lecture	1.0
Clinic		16.0
Total Hours		**23.0**

ACADEMIC STANDARDS

Professional education in the health sciences manifests characteristics that are distinct from other advanced educational programs. Academic standards of the School of Dentistry are established to ensure that the public, whose health will be entrusted to graduates of the School's programs, will receive care of professionally acceptable quality and that the care will be provided in an ethical and professional manner. The School's academic requirements are described in the following two sets of standards, one for scholarly achievement and one for professional growth and development.

Standards of Scholarship

1. Pre-doctoral dental and pre-baccalaureate dental hygiene students must maintain at least a 2.5 GPA each semester in dental school. Failure to attain a 2.5 GPA in any semester will result in the students being placed on probation for the next semester. All students who are placed on probation must review their academic progress with the chair of the Academic Standards Committee. A second consecutive semester with a GPA below 2.5 will result in dismissal from the School. A total of three semesters with GPAs below 2.5 will result in dismissal from the School. For a semester to count toward removing students from probation, they must be enrolled full-time (at least 5 hours in summer or 12 hours in fall or spring semesters).
2. Failure of any course (receiving a grade of F or No Credit) will necessitate additional work to remove or replace the F or No Credit. The course may be repeated at another dental school or dental hygiene program, with the approval of the associate dean for academic affairs, or during the next offering of the course at this school. Students will receive whatever grade they earn in the repeated courses and both grades will appear on their transcript and be included in the grade-point average. Students who fail only one course in a given semester may petition the course instructor for a remediation program if their failure was the result of performance slightly below acceptable standard (e.g., 60 percent where 65 percent is required for passing, or poor performance on one section of the course with acceptable performance in other sections). Any remediation program can take whatever form the course instructor deems appropriate. Possible examples:
    - Independent study for a number of weeks followed by an examination.
    - Remedial summer laboratory work followed by a laboratory examination.
    - A series of written exercises followed by an examination.

    If students successfully complete a remediation program, their grades of F or No Credit will be changed to grades of D or Credit. A second failure or No Credit in the remediated course will result in dismissal from the program.
3. Any student who fails a course will be required to present for the Academic Standards Committee an approved altered curriculum plan that includes the completion of this course for the Committee's approval. An approved altered curriculum plan may result in an extension of the academic program because the student has demonstrated difficulty in dealing with the standard curriculum and may need additional coursework, review and/or supplemental instruction to successfully complete the curriculum.

Standards of Professional Conduct

1. Dental and dental hygiene students must achieve and consistently demonstrate acceptable levels of personal hygiene and dress.
2. Dental and dental hygiene students must achieve and consistently demonstrate concern for patients, peers, and others. Dental and dental hygiene health care providers have a duty to ensure:
    1. That patients are treated according to their desires and must be included in treatment decisions.
    2. Patient confidentiality in the entire range of the provider-patient relationship which includes dental records.
    3. That no harm or potential harm is done to the patient either through intent, ignorance, lack of preparation for the patient encounter, lack of skill, personal impairment of any kind.
    4. That no patient is "abandoned" which is defined as discontinuance of care without just cause and without giving the patient adequate notice and the opportunity to obtain the services of another provider.
    5. That the patient's welfare (i.e. the provision of competent and timely delivery of dental care within the bounds of clinical circumstances as presented by the patient such as needs, desires and values) is paramount and takes precedence above all else. This also includes the obligation to: 1) identify and report perioral signs of abuse and neglect and to consult with faculty to report suspected cases to proper authorities as required by law; and, 2) report instances of faulty treatment whether intentional or not, to the appropriate faculty member.
    6. That all people including patients, staff, faculty and all other individuals are treated fairly, respectfully, and without prejudice.
    7. All standards and requirements of patient care established by the School of Dentistry are followed.
3. Dental and dental hygiene students' behavior must exemplify the highest moral and ethical standards. The following represent conduct that is incompatible with these standards:
    1. Any behavior that tends to gain an unfair advantage for any student in an academic matter. This includes, but is not necessarily limited to, the following guidelines:
        - No student shall during an examination have, use, or solicit any unauthorized information or material (written or oral), copy from another student's paper or discuss the examination with any other person.
        - No student shall during an examination knowingly give any unauthorized aid to another student.
        - No student shall acquire by any means knowledge of the contents of an examination yet to be given.

- No student shall fraudulently claim for credit any classroom, clinical, laboratory, or other procedure or assignment performed by an unauthorized person, including a fellow student.

2. Anyone who has reasonable cause to believe that a student has acted unethically is obligated to bring the matter to the attention of the assistant dean for student programs or his/her designee who will follow the process identified in the Preliminary Procedures section of the UMKC School of Dentistry Honor Council Due Process Procedures for Violations of the Standards of Professional Conduct, to determine whether there has been a violation and whether charges should be brought.

4. Serious deficiencies in conduct as listed in the School of Dentistry Standards of Professional Conduct, or as outlined in Section 200.010, Standards of Conduct, of the University of Missouri Collected Rules and Regulations, by a dental or dental hygiene student shall be reported to the assistant dean for student programs or his/her representative, who will initiate the process as listed under "Preliminary Procedures".

Requirements for awarding a DDS degree

Satisfactory completion of the program including:

1. Demonstration of competencies expected of a graduating student.
2. A passing grade on all sections of Part I and Part II of the National Board Dental Examinations.
3. A cumulative grade-point average of 2.5 or higher for the student's period as a dental student.
4. A demonstrated ability to meet the standards for professional growth and development.

Academic Standards and Procedures: Advanced Education / Graduate Students

The following academic standards and the procedures to be used in dealing with cases of academic difficulty apply to students in all advanced education/graduate programs of the School of Dentistry.

Standards of Scholarship

1. Graduate students, regardless of classification, must maintain a 3.0 (B) GPA for all coursework taken for graduate credit at UMKC.
2. Graduate students must maintain a 3.0 (B) GPA in their graduate dental certificate specialty coursework.*
3. Grades in graduate dental certificate specialty area coursework must be B or better. Any graduate dental certificate specialty area course that is graded below B must be repeated.*

* Applies only to students enrolled in graduate dental certificate programs.

Probation

1. Whenever the overall GPA for UMKC courses taken for graduate credit by a graduate student of any classification falls below 3.0 (B), the student's status for the next term becomes "On probation - See principal graduate adviser." The principal graduate adviser will review the student's progress and provide counsel, and the following conditions apply:
    1. A graduate student on probation who is not restored to good academic standing by the end of two successive semesters will be declared ineligible to re-enroll.
    2. While on probation, a graduate student must achieve a 3.0 term GPA to enroll for the ensuing term.
    3. A graduate student on probation will not be restored to good standing until a cumulative graduate-credit GPA of at least 3.0 is achieved.
2. Whenever the overall GPA for courses taken in the student's graduate dental certificate specialty area falls below 3.0, the student will be placed on probation and the following conditions apply:*
    1. A graduate student on probation who is not restored to good academic standing by the end of two successive semesters will be declared ineligible to re-enroll.
    2. While on probation, a graduate student must achieve a 3.0 graduate dental certificate specialty area GPA to enroll for the ensuing term.
    3. A graduate student on probation will not be restored to good standing until a graduate dental certificate specialty area GPA of at least 3.0 is achieved.

* Applies only to students enrolled in graduate dental certificate programs.

Dismissal

1. A graduate student who is on probation and fails to attain an overall GPA of at least 3.0 by the end of two successive semesters will be dismissed from the program.
2. A graduate student who is on probation and fails to attain a 3.0 term GPA for the succeeding term will be dismissed.
3. A graduate student who is on probation and fails to attain a graduate dental certificate specialty area GPA of at least 3.0 by the end of two successive semesters will be dismissed from the program.*
4. A graduate student who is on probation and fails to attain a 3.0 graduate dental certificate specialty area GPA for the succeeding term will be dismissed.*
5. A graduate student who receives more than four hours of 2.0 (C) grades or below for courses included in the student's graduate program of studies will be dismissed.*

* Applies only to students enrolled in graduate dental certificate programs.

Appeal

Any student who is dismissed from the program has the right to appeal that decision. Appeals must be made in writing to the associate dean for academic affairs within one week from the time the student receives a notice of dismissal. The associate dean for academic affairs in conjunction with the chair of the Advanced Education Committee shall select a hearing panel of five members of the Advanced Education Committee to hear the student's appeal. At least one member of the hearing panel will be a student. The program director of the program in which the appealing student is enrolled shall be ineligible to sit on the panel. The hearing panel will be chaired by the associate dean for academic affairs. A meeting of the hearing panel will be scheduled within two weeks of the receipt of the student's appeal. During the time the appeal process is being conducted the student shall be allowed to continue in the program.

The hearing panel shall be provided with written statements from the student and the program director as well as all relevant records and documents. The program director or designated substitute and the appealing student must attend the hearing to provide additional information and answer questions from the hearing panel. Other individuals who have information relevant to the situation may be invited to present their information and answer questions for the panel. The student may have an adviser present to advise the student, but this adviser shall be limited to providing advice to the student.

After reviewing the information and conducting the hearing, the hearing panel shall make its recommendation regarding disposition of the case to the dean. All five appointed members of the hearing panel shall have a vote. In case of a tie, the associate dean for academic affairs shall cast the deciding vote. The dean of the School of Dentistry will make the final decision and communicate that decision to the student and the program director.

Curriculum

The candidate enrolled in this program must complete a minimum of 30 semester hours of coursework. These courses must be listed on the form "Master's Degree Program of Study" (available from the Department of Oral Biology office) and must be signed by the thesis adviser, members of the thesis committee, and chair of the Department of Oral Biology.

The required core curriculum will consist of the following courses:

- Biological Science 5751 Elements of the Scientific Method
- Biological Science 5752 Research Methods in Oral Biology
- Biological Science 5799 Research and Thesis
- Research Methodology 5700 Introduction to Research Methodology
- Research Methodology 5703 Thesis Writing
- Research Methodology 5704 Introduction to Biostatistics

The thesis committee may require additional courses. This catalog contains listings of appropriate graduate level courses. Some examples of additional courses applicable to the program:

- Biological Science 5710 Molecular Genetics and Cranial Facial Biology

- Biological Science 5739 Dental Biomaterials for the Dental Specialist
- Biological Science 5740 Oral Pathology I
- Biological Science 5743 Advanced Seminar in Biomaterials
- Biological Science 5747 Research Instrumentation
- Biological Science 5759 Special Problems in Pharmacology
- Biological Science 5760 Physiology of Oral Hard Tissues
- Biological Science 5802 Immunopathology
- Biological Science 5805 Molecular Biology of Oral Microflora
- Biological Science 5806 Oral Microbiology and Infectious Disease
- Biological Science 5830 Structural Characterization of Dental Biomaterials
- Oral Biology 5700 Embryonic Development of the Face and Oral Cavity

Of the 30 semester hours, no more than 6 semester hours of graduate work taken at institutions other than UMKC may be transferred. The transfer of 6 graduate credit hours includes those courses deemed appropriate to the student's program of study by the thesis committee.

The student must conduct an original investigation in a basic, behavioral or clinical science area and write a thesis describing the research and reporting the results of the study. The student will be required to successfully defend the thesis in a final oral examination at a university-wide seminar. No qualifying examination or language examination is required for the degree.

Enrollment in BIOSC 5799 Research and Thesis is required as a part of the student's program of study. To reflect the student's research involvement in activities that will ultimately lead to the completion of the thesis, multiple semesters of enrollment in this course are allowed. Cumulative credit for this course may not exceed 6 hours. Until the thesis is successfully completed and defended, a grade of incomplete (I) is given for each term of enrollment in this course. On successful defense and completion of the thesis, incomplete grades will be changed to an appropriate letter grade.

While the master of science program in oral biology can be pursued simultaneously with dental specialty certificate programs, it is likely that such a student can expect to spend 6 months or longer beyond the period designated for the certificate program to obtain the master of science in oral biology.

Thesis Research

The major criterion of the master of science in oral biology is original research. This original research may be conducted in basic, behavioral or clinical sciences. Adherence to all standards established by the School of Graduate Studies is necessary for final acceptance and approval of the thesis.

Thesis Committee

Each student is responsible for selecting a thesis committee chair who must be an Oral Biology faculty member. The selection of a thesis chair must be completed within the students first year of study and approved by the Co-Director of Graduate Studies, Department of Oral Biology. Once the chair is selected, the student and the chair will select two or more additional faculty members to serve on the thesis committee. One additional member of the thesis committee must be a member of the Department of Oral Biology and all of the faculty selected must be members of the graduate faculty. Committee members should be selected for their ability to provide additional advice and resources to augment the thesis research of the student.

Following committee selection, the Program of Study form must be completed. This document serves as the record of selected committee members and required courses for each student. The Program of Study form and example course lists (for concurrent specialty certificate program students) are available on the Oral Biology Web site at dentistry.umkc.edu/oralbiology/educationalresources.htm. The completed Program of Study must be signed by all committee members; the Co-Director of Graduate Programs, Oral Biology; the Department Chair, Oral Biology; and the Dean or Graduate Officer, School of Dentistry. The completed form must meet all Department of Oral Biology and School of Graduate Studies requirements.

All thesis committee members must approve a thesis research proposal before the research project is initiated. The thesis committee members also advise and guide the students in the successful completion of their research and determine when the M.S. thesis is complete.

Thesis

Original research will be used to construct a formal thesis conforming to the standards set by the School of Graduate Studies (see University of Missouri-Kansas City Guide to Formatting Graduate Theses, which can be obtained at the UMKC Dental Library). At least eight weeks prior to graduation, the completed thesis must be submitted to the thesis committee for its preliminary approval.

After all members of the thesis committee have read and given preliminary approval to the content of the thesis, and the instructor(s) of the course Research Methodology 5703 Thesis Writing has given preliminary approval to the format of the thesis, and at least six weeks prior to graduation, the original typewritten copy must be submitted to the School of Graduate Studies for certification by the dean of Graduate Faculties and Research. After the thesis has been certified for acceptance by the dean of Graduate Faculties and Research, the thesis committee will require the student to defend the thesis. School of Dentistry regulations require students to defend their theses by presenting university-wide seminars on their research. In addition to the required distribution of copies (see the UMKC Guide to Formatting Graduate Theses and the General Graduate Academic Regulations and Information section of this catalog), a copy of the thesis also must be received for retention by the Dental Library of the School of Dentistry.

Academic Requirements

A 3.0 or better GPA is required of all work applicable to the master's degree. A student is subject to termination from the master's program if: (1) their GPA falls below 3.0; (2) more than four hours of C (2.0) grades are received; or (3) any grade of D or F is received.

A recommendation for dismissal from the program will be made by the student's adviser(s) to the Department of Oral Biology and forwarded to the School of Dentistry Advanced Education Committee.

Requirements for Graduation

Requirements include:

1. A 3.0 GPA.
2. Successful completion of 36 credit hours with a thesis or non-thesis option.
3. Prepare and present a table clinic at the Midwest Dental Conference during the Spring Semester.
4. All other requirements for graduation as stated in the General Graduate Academic Regulations and Information section of this catalog.

Required Courses for the Master of Science Degree

Program in Dental Hygiene Education

		Required Courses Hours
DENHY 4020	Local Anesthesia and Pain Control	2
DENHY 4040	Introduction to Research and Instruction	1-2
DENHY 5500	Educational Methologies	2-4
DENHY 5510	Student Teaching and Conference I	2-4
DENHY 5516	Special Issues in Higher Education	2-4

DENHY 5530	Clinical Instruction and Conference	2-4
DENHY 5553	Seminar in Advanced Concepts and Methodologies	2-4
DENHY 5595	Scientific Writing	1-2
DENHY 5599	Research and Thesis (thesis option only)	1-6
RESME 5700	Intro. to Research Methodology (or its equivalent)	2-3
RESME 5703	Thesis Writing	1
RESME 5704	Introduction to Biostatics (or its equivalent)	2-3
Total		**20-39**

Total number of credit hours required for completion of the graduate program is 36 credit hours for either the thesis or non-thesis option.

Other Requirements

Students will be expected to comply with all rules, regulations and requirements in the General Graduate Academic Regulations and Information section of this catalog.

Education, School of

SCHOOL OF EDUCATION

- General Information on Master of Arts Degrees
  - Master of Arts: Counseling and Guidance
  - Master of Arts: Educational Administration
    - Emphasis Area: School (Grades K-12) Administration
    - Emphasis Area: Higher Education
    - Master of Arts: Curriculum and Instruction
    - Emphasis Area: General
    - Emphasis Area: Early Childhood
    - Emphasis Area: Elementary
    - Emphasis Area: Subject Matter (30 hours)
    - Emphasis Area: Multicultural Education
    - Emphasis Area: Teaching English as a Second Language
    - Emphasis Area: Learning Technologies
  - Master of Arts: Reading Education
  - Master of Arts: Special Education
- General Information on Educational Specialist Degrees
  - Educational Specialist: Educational Administration
  - Educational Specialist: Counseling and Guidance
  - Educational Specialist: Curriculum and Instruction
  - Educational Specialist: Reading Education
- General Information on Doctoral Degrees
  - Educational Administration, Ed.D.
  - Counseling Psychology, Ph.D.
  - Interdisciplinary, Ph.D.

GENERAL INFORMATION ON MASTER OF ARTS DEGREE

Requirements for the Master of Arts

Requirements for a master's degree include a minimum of 30 credit hours but vary according to the major and emphasis area. Regardless of program length, at least 60 percent of the coursework on the degree program must be numbered 5500 or above. At least 3.0 GPA must be maintained, with no grade lower than a C earned in any 5500-level course. A maximum of 20 percent of coursework numbered 5500 or above on the master's program may have grades of C. Any courses on the 300 and 400 level to be included in a master of arts program must be taken for graduate credit and only by arrangement with the adviser. No grade lower than B- may earned in any 300- or 400-level course to be used toward a graduate degree.

As soon as possible after regular admission to graduate study, the student should meet with a faculty adviser to develop a program of study. This program must be filed with the Education Student Services Office prior to completion of the last 15 hours of coursework. Program revisions may be requested later but also must be approved by the student's adviser and the dean's representative.

Twenty percent of resident graduate coursework may be transferred from other accredited universities' graduate programs. A maximum of 49 percent of acceptable graduate work (no grade below B) may be transferred from other campuses of the University of Missouri. Credits are transferred only with the recommendation of the adviser and the consent of the dean's representative in the School of Education. Transfer credit must not be more than seven years old at the time of program completion.

Transfer credit may be allowed for correspondence courses, provided the credits meet the above criteria. A maximum of six semester hours of continuing education courses that have been taken for graduate credit (workshops, special topics) may be included on a master's program. Students must provide a letter from the transfer institution clarifying the grade equivalent for transfer work posted as "credit" or "pass."

For regular courses taken through continuing education at UMKC to apply on degree programs, the student must be admitted to graduate study and have an approved program on file, including the continuing education courses.

The amount of workshop credit, either 498 or 470 series courses, that can apply toward a master's degree can not exceed more than 9 credit hours or more than 25 percent of the total degree program.

Credit more than seven years old at the time of degree completion must be validated. To validate a course, the student must meet with the instructor of the current equivalent course to devise a plan in which the student's current knowledge of the coursework can be assessed. Faculty may ask the student to write a paper, review current literature, or take examinations to determine whether the student's knowledge of the subject is acceptable. A maximum of 30 percent of the student's program of study may be validated under this procedure. All validation must be completed prior to the completion of the final semester of enrollment for the degree.

A thesis is not required for the master of arts degree, although the option for a thesis is available. A final integrating experience or independent or group research study may be required of those not selecting the thesis option.

Requirements for Retention

Students must:

1. Meet all admission requirements.
2. File a planned program of study in consultation with a faculty adviser and have it approved by the dean's representative in the Education Student Services Office.
3. Complete all coursework listed on the approved program of study.

4. Maintain an acceptable graduate GPA with no grades below B- (3.0) in 300- or 400-level courses, no grades below C (2.0) in any 5500-level course, at least 80 percent of the degree program completed with grades of A or B, and a 3.0 average maintained in all graduate coursework, regardless of whether the courses are on the actual degree program.
5. Apply for the degree (graduation) by the posted deadline during the final term of enrollment.
6. Enroll in at least one credit hour during the term they intend to graduate.

MASTER OF ARTS: COUNSELING AND GUIDANCE

The Counseling and Guidance Program has as its primary purpose the preparation of professional counselors. The master's degree is the first professional degree in counseling. Graduates holding this degree will gain the basic understanding and skills necessary for professional practice as a counselor. The program offers three emphasis areas leading to the M.A. degree: Elementary and Secondary School Counseling, Couples and Family Counseling and Mental Health Counseling. Those electing the school counseling emphasis will, upon successful completion of the coursework and passing of the Praxis Exam for counseling, be eligible for school counselor certification in Missouri. The other counseling emphases are designed for students who wish to work in a variety of settings other than the public schools. Those earning degrees in counseling become employed in community colleges, four-year colleges, specialized areas in large universities (e.g. career planning and placement), the court system and community-based mental health services. Many students go on for advanced degrees. Students in this program will take all of the coursework needed to be eligible for licensure as a professional counselor in the state of Missouri. Students may also arrange their internship setting placements similar to those in which they plan to work.

Student Learning Outcomes

The goal of the master's program in Counseling and Guidance is to develop competent counseling practitioners who are eligible for licensure or certification in Missouri and Kansas.

Graduates demonstrate skills and knowledge in the following areas:

- Theories of counseling
- The counseling relationship
- Human growth and development
- Social and cultural foundations of counseling
- Career development
- Assessment
- Research methods
- Counseling skills
- Professional identity
- Ethical standards and issues
- Psychopathology and Diagnosis
- Program development and management (school counseling emphasis)

Admissions

Courses for the master's program in Counseling and Guidance are primarily offered at the Volker campus. Select school counseling courses are offered at the UMKC Northland campus; however, not all courses will be made available at that site. Applications for the program are accepted twice a year: by Sept. 1 to be admitted for the spring semester or by March 1 to be admitted for the fall semester. Application materials must be sent to both the UMKC Office of Admissions and the Counseling and Guidance office. It is suggested that students apply to the University at least two weeks prior to the application deadline to allow for processing time. Materials sent to the UMKC Admissions Office should be ***received*** by the application deadlines; materials sent to the Counseling and Guidance Office can be ***postmarked*** by the application deadlines.

Admission Criteria:

- Overall undergraduate 2.75 GPA or better, or 3.0 or better (4.0 scale) in the last 60 semester hours.
- Graduate Record Exam (GRE) score of 900 (Verbal + Quantitative) or a GRE Verbal score of 450 or better, and a minimum Analytic writing score of 4.0.
- Three reference forms (use forms in application packet).
- Statement defining personal and professional goals.
- MA Counseling and Guidance Application.

Applying to the Program

Students who wish to apply to the program will have to submit two separate applications, one to the University (see A. below) and one to the Counseling and Guidance office (see B. below).

A. Send to the UMKC Admission office:

1. Application for Admissions (available online at www.umkc.edu/admissions.
2. $35 (domestic) or $50 (international) non-refundable application fee.
3. Official transcripts from all colleges/universities previously attended (in sealed envelope or sent directly from universities).
4. Graduate Record Exam (GRE) (official copy).

Mailing Address

University of Missouri-Kansas City
Office of Admissions
120 Administrative Center
5100 Rockhill Road
Kansas City, MO 64110-2499

B. Send to the Counseling and Guidance office:

1. M.A. Counseling and Guidance Application http://education.umkc.edu/CEP/masters/admission.asp (detailed instructions available on the application).
2. Graduate Record Exam (official or issued to student).
3. Three reference forms (use forms in application packet).
4. Statement defining personal and professional goals.

Mailing Address

University of Missouri-Kansas City
ATTN: Counseling and Guidance Admissions Committee
215 Education Building
5100 Rockhill Road
Kansas City, MO 64110-2499

For more specific information about the master's in Counseling and Guidance see http://education.umkc.edu/CEP/masters/

Degree Requirements

* Note: Only courses with an asterisk may be taken prior to being admitted to the program.
# Note: Course can be taken if officially admitted to a graduate degree program.

Required Core Courses (42 credit hours)Hours
*CPCE 5500 Intro. to Prof. Counseling 3
(for MH and C/F emphases only)
-or-

*CPCE 5502	Foundations of Elementary & Secondary Guidance (for school counseling emphasis only)	3
CPCE 5503	Psychopathology: Diagnoses & Classification	3
#CPCE 5505	Career Development I	3
*EDRP 5508	Prin. & Methods of Research	3
CPCE 5515	Assessment Methods in Professional Counseling	3
CPCE 5520	Theories of Counseling	3
CPCE 5530	Methods of Counseling	3
CPCE 5531	Counseling Practicum I	3
CPCE 5532	Counseling Practicum II	3
CPCE 5540	Theories and Methods of Group Counseling	4
CPCE 5551	Counseling in a Pluralistic Society	3
CPCE 5553	Ethics & Prof. Issues in Counseling	3
CPCE 5575	Internship A	3
CPCE 5575	Internship B	3

Couples and FamilyEmphasis Area (18 credit hours)		**Hours**
CPCE 5527	Theory/Methods of Sex Counseling	3
CPCE 5541	Couples & Family Therapy	3
CPCE 5542	Theory & Techniques of Family Systems Therapy	3
CPCE 5533	Couples & Family Practicum	3
CPCE 5590CF	Seminar in Couples & Family Therapy	3
*EDRP 5513	Lifespan Human Development	3

Mental HealthEmphasis Area (18 credit hours)		**Hours**
CPCE 5527	Theory/Methods of Sex Counseling	3
CPCE 5590MH	Seminar in Mental Health Counseling	3
CPCE 5521	Special Counseling Methods - Substance Abuse	3
*EDRP 5513	Lifespan Human Development	3
Approved Electives (2)		6

School Counseling (12/18 credit hours)		**Hours**
*TE 404(1)	Education of the Exceptional Child and Youth	3
CPCE 5504	School Guidance Programs	3
CPCE 5550	Organization and Administration of Counseling Programs	3
*EDRP 5510	Child Behavior & Development (Elementary and K-12 counselors only)	3
	-or-	
*EDRP 5512	Adolescent Development & the school (Secondary and K-12 counselors only)	3
	-or-	
*EDRP 5513	Lifespan Human Development (Elementary, Secondary, and K-12 counselors)	3
*EDCI 5512(2)	Strategies for Effective Classroom Management	3
*EDCI 5517(2)	Teaching Methods & Practices	3

(1) Many people with a teaching certificate already have this course. You do not need to retake it.

(2) Required for those who do not hold a teaching certificate (18 credit hours total).

MASTER OF ARTS: EDUCATIONAL ADMINISTRATION

General Nature of the Program

The master of arts degree in educational administration, accredited by the National Council for Certification of Teacher Education, is designed to provide entry-level preparation for students planning careers in school administration.

The course of study includes a sequence of basic and advanced studies and other applied learning experiences. Students have the opportunity to develop understanding and skills through seminar courses, individual study, and the practice of inquiry in addition to study in required courses. The program is designed to support a focus on professional effectiveness and to foster research, evaluation and assessment activities for students. Instruction and mentored practical experiences will make frequent use of and reference to evaluation and assessment of student performance.

EMPHASIS AREA: SCHOOL (GRADES K-12) ADMINISTRATION

The master's program with emphasis in school administration is designed to prepare leaders for 21st century schools. These leaders must begin now to envision the nature of a global technical-information-based society and the schooling such a society will require. Assumptions based on available knowledge concerning these schools will be made in designing the M.A. program for students. Students will be expected to develop "Learning Organizational Culture" schools and demonstrate competency to develop:

1. Into a facilitator of relationships and outcomes that enhance the effective operation of the school.
2. Collaborative and participative planning and decision-making structures (teams).
3. Support networks from the community and in the school.
4. School organizations as cultures of renewal, risk, problem-solving, trust and caring.
5. School culture of reflective and critical thought concerning learning theory and practice.

On completion of the program, students will be equipped to envision and embrace an information-based, developmental society. Students begin their program of study with a cohort group of other potential school leaders and will take a series of 6-credit-hour block courses. Each cohort will work collaboratively throughout its studies and be led by University faculty and school leaders from throughout the greater Kansas City region.

Students will develop professional portfolios, including both individual and group projects, over the course of their degree program. While the three-block sequence is intended for school leaders at every level, it is expected that students will tailor their elective coursework and their culminating experience (practicum or internship) to the building level at which they hold their teaching credentials.

Students who complete the master of arts in educational administration may be recommended for initial certification as a building administrator (Kansas) or principal (Missouri). Students must complete the Educational Specialist to earn advanced principal certification in Missouri. Advanced certification is required to be a principal in an AAA-rated school district. Administrative assessment (the School Leaders Licensure Assessment) is required in Missouri.

Coordinator:

Gus Jacob, (816) 235-**2454**, jacoba@umkc.edu

Admissions

Admission and retention for the M.A. in educational administration, with an emphasis in school (K-12) administration, requires that the following steps be successfully completed:

Admission into Program

- Undergraduate at least 2.75 GPA.
- One year teaching experience.
- Essay statement regarding past, present and future career goals (500 words or less).
- At least three letters of recommendation.

Acceptance into Practicum

- Successful completion of all coursework (1) with a B grade or better.
- Recommendation of the faculty based on content portfolio examination relative to competencies completed that are consistent with MoStep, Educational Leadership Constituent Council (ELCC), School of Education and ULAPSIE Division standards and dispositions.

Program Completion and Recommendation for Administrative Certificate

- Recommendation of the faculty based on content portfolio examination relative to competencies completed that are consistent with MoStep, Educational Leadership Constituent Council (ELCC), School of Education and ULAPSIE Division standards and dispositions.
- Successful completion of the practicum, which includes the employment portfolio.
- Recommendation of the faculty based on coursework completion, development of an administrative platform and exit presentation.
- Completion of the student exit survey.

Post-Program Completion

- Student completion of ULAPSIE graduate survey relative to preparation program and ELCC standards.
- Employer survey completion (supervisor).
- Virtual coaching.
- Focus groups comprised of first-, second- and third-year administrators.

(1) No more than 6 post-undergraduate/graduate credit hours may transfer into the M.A. program.
(2) Students must file a **Program Plan of Study** while enrolled in the Block Course EDUL 5501.
(3) The Block I Portfolio requirement aims to move students toward intellectual competence and understanding of School of Education and division academic standards (i.e., Educational Leadership Constituent Consortium (ELCC) national standards and MoSTEP state standards).
(4) EDUL 5501 is the prerequisite to EDUL 5502; and EDUL 5502 is the prerequisite to EDUL 5503. These courses are mandatory and *cannot* be waived. Students must enroll in these courses in sequence.

Degree Requirements

Theoretical and Functional Aspects of Educational Administration (27 hours)

Required core for all level principals:		**Hours**
EDUL 5501*	Foundations of School Leadership and Organization (Block I)	6
EDUL 5502*	Building Administration & Management (Block II)	6
EDUL 5503*	Student, Staff & Organization Development (Block III)	6
EDUL 5507	School Supervision	3
EDUL 5515	Governmental & Legal Aspects of Education	3
EDUL 5574	Administrative Practicum	3

* EDUL 5501, 5502 and 5503 must be taken sequentially.
EDUL 5501 is offered in the fall and spring semesters only.

Related and Supporting Areas: Curriculum, Humanistic, Behavioral, Research (12 hours)

Curriculum (Required 3 hours)	**Hours**	**Select one course:**
EDCI 5505	Introduction to Curriculum Theory	3
EDCI 5506	Currriculum Design	3
EDCI 5591	Curriculum & Instruction for the 21st Century	3

Humanistic (Required 3 hours)		**Select one course:**
EDUL 5524	Phil. Inquiry and Education	3
EDUL 5526	Phil. Foundations of Education	3
EDUL 5527	Hist. Foundations of Education	3

Behavioral (Required 3 hours)		**Select one course:**
EDRP 5502	Advanced Educational Psychology	3
EDRP 5510	Child Behavior and Development	3
EDUL 5525	Cultural Foundations of Education	3
EDUL 5528	Sociological Found. of Education	3
EDRP 5512*	Adolescent Devel. and the School (Meets Middle School cert. requirements)	3
EDRP 5604	Cognitive Processes in Learning & Instruction	3

Research (Required 3 hours)		**Select one course:**
EDRP 5505	Statistical Methods	3
EDRP 5508	Principles and Methods of Research (Required for Kansas Certification)	3
EDRP 5522	Principles of Testing	3

Principal Certification

Students seeking administrative certification must first offer proof of holding valid teaching certification at the same level (i.e., elementary or secondary), and have a minimum of two years teaching experience. The M.A. is offered with certification concentrations in elementary school administration or secondary school administration. Additional coursework is required for certification as a middle school administrator.

Those who complete the master of arts in educational administration may be recommended for initial certification as a building administrator (Kansas) or principal (Missouri). Students must complete the educational specialist degree to earn advanced principal certification in Missouri. Advanced certification is required to be a principal in a AAA rated school district in Missouri. In addition to completion of the academic program, Missouri requires all prospective administrators to successfully complete the School Leaders Licensure Assessment.

Emphasis Area: Higher Education

The graduate program in Educational Administration with an emphasis in Higher Education prepares administrators and educators for the demands of leadership in colleges or universities and other institutional settings. Through a comprehensive master's program for individuals wanting a graduate degree or through coursework taken for professional development, the program supports administrative leaders and educators who seek to enhance their professional competencies and effectiveness in today's increasingly diverse work place.

Student programs of study at the master's level are developed to reflect required core courses that provide all master's level students with fundamental understandings of higher education, student development, organizational leadership and diversity. In addition, the program offers a range of cognate courses that are tailored to meet specific student interests or learning goals in administrative leadership or student affairs administration. Advising materials and meetings with faculty enable students to create academic programs that meet their unique learning needs. Unless indicated, all courses are available to non-degree seeking students for professional development.

All master's level students will design a full-term internship in collaboration with an on-site supervisor and the instructor of the fieldwork course. The purpose of the internship is to provide students with guided opportunities to enhance skills, expand their professional experience base, and apply course learning in new settings.

Admissions

The Higher Education faculty review all admissions applications and make admission decisions. Admission for the M.A. in educational administration, with an emphasis in Higher Education, requires that the following steps be successfully completed:

Admission Requirements

1. ***Full admission*** to the Higher Education Program requires:
   - Completion of the UMKC graduate admission application.
   - An undergraduate 3.0 GPA or higher.
   - GRE (Verbal/Quantitative/Essay) Scores.
   - Two Letters of Reference.
   - A written statement of purpose (500 words maximum) that outlines the student's rationale for application to the program and learning goals.
2. Students who do not meet the undergraduate grade-point average or who have not taken the GRE can receive conditional admission to the program. The GRE must be taken during the first semester of enrollment and students must complete a minimum of six hours of core requirements with a grade of "B" or better within the first two semesters of enrollment.
3. Application deadlines are as follows:
   - Apr. 1 for summer term
   - July 1 for fall term
   - Nov. 1 for spring term

Required Core Courses (18 credit hours)		**Hours**
EDUL 5550	Organization and Administration of Higher Education	3
EDUL 5556	The College Student	3
EDUL 5560	Leadership in Higher Education	3
EDUL 5564	History of Higher Education	3
EDUL 5566	Racial and Ethnic Diversity, and Cultural Understanding	3
EDUL 5567	Capstone in Higher Education	3
Internship (3 credit hours)		
EDUL 5571	Internship in Higher Education	3
Research and Statistics (3 credit hours)		
EDRP 5508	Principles and Methods of Research	3
Foundation Requirement (3 credit hours)	**Select One Course:**	
EDUL 5526	Philosophical Foundations of Education	3
EDUL 5528	Sociological Foundations of Education	3
Electives to Complete the Degree (9 credit hours)	**Select 3 Courses:**	
EDUL 5525	Cultural Foundations of Education	3
EDUL 5526	Philosophical Foundations of Education	3
EDUL 5528	Sociological Foundations of Education	3
EDUL 5551	Student Affairs Administration in Higher Education	3
EDUL 5552	Financial Aspects of Higher Education	3
EDUL 5555	Community College	3
EDUL 5557	Legal Aspects of Higher Education	3
EDUL 5558	Student Development Theory	3
EDUL 5559	Current Issues in Higher Education	3
EDUL 5589SM	Special Topics in Educational Leadership	3
CPCE 5505	Career Development	3
EDRP 5505	Statistical Methods I	3

Note: The student may select courses from other disciplines to meet elective hours. All coursework must be approved by the adviser.

Master of Arts: Curriculum and Instruction

The master of arts in Curriculum and Instruction is a degree sought by teachers and others who wish to enhance their knowledge base for application in the classroom and to increase Prek-12 student learning. There are seven emphasis areas from which to choose:

- General (including Alternative Teacher Certification)
- Early Childhood
- Elementary
- Subject Matter (Art, English, Math, Science, Social Studies)
- Multicultural Education
- Teaching English to Speakers of Other Languages
- Learning Technologies

Requirements for Admission

Students admitted to School of Education graduate programs are governed by School of Education requirements and those of the School of Graduate Studies. Students seeking advanced degrees also should consult the School of Graduate Studies section for regulations applicable to all graduate students.

Students with a baccalaureate degree and teacher's certification from a school of education may apply for all graduate programs or may enter with a baccalaureate degree (including a departmental major in a liberal arts program). Work toward a master of arts degree can begin during any semester.

Criteria for admission include an appropriate GPA and an overall record of achievement. Teacher certification is required for all M.A. applicants (except for Early Childhood, Alternative Certification and TESOL). A baccalaureate degree with a 3.0 GPA or above (on a 4.00 scale), or a master's degree or other post-baccalaureate degree from an institution accredited by a regional accrediting agency is required for regular admission to the School of Education at the graduate level. Applicants who do not possess a post-baccalaureate degree and whose undergraduate GPA is between 2.50 and 2.99 are eligible for conditional admission and are required to complete the requirements described below. Applicants who do not meet the necessary admissions requirements may appeal to the Division Chair.

Conditional applicants must meet with a faculty adviser and are required to take four courses prescribed by the division for the degree in which the student intends to pursue. Applicants must achieve a grade of B or better in each of the courses (a course may be repeated only once). Two of these courses must be at the 5500 level, and three must be taken in different areas of the School of Education (one of the three, however, may be taken in another academic area of the University).

Students who successfully complete the conditional period are eligible for regular admission to the School of Education at the master's level. Only when conditional students are reclassified as degree-seeking may they file a program of study.

Students who do not successfully complete the conditional period will be permanently reclassified to post-bachelor status and will be allowed enrollment for undergraduate credit only. Post-bachelor students may not enroll in classes numbered 5500 or above.

Degree Requirements

There is an 18-credit-hour core to all programs. This core includes coursework in the humanistic, behavioral, research, assessment and multicultural and urban focus foundation areas. In addition to these core courses, students complete 18 additional hours in their emphasis area.

Core Courses

Humanistic Studies (one course required)		Hours
EDUL 5525	Cultural Foundations of Education	3
EDUL 5526	Philosophical Foundations of Education	3
EDUL 5527	Historical Foundations of Education	3
Behavioral Studies (one course required)		
EDRP 5502	Advanced Educational Psychology	3
EDRP 5510	Child Behavior and Development	3
EDRP 5512	Adolescent Development & the School	3
EDRP 5513	Human Development Across the Lifespan	3
Research (one course required)		
EDRP 5505	Statistical Methods I	3
EDRP 5508	Principles and Methods of Research	3
EDCI 5544	Quantitative Research in English as a Second Language	3
Assessment (one course required)		
EDCI 5554	Assessment in Science Education	3
EDCI 5596	Classroom Assessment	3
EDSP 5508	Evaluation of Abilities and Achievement in Special Education	3
TE 442	Classroom Observation, Assessment, & Screening in Early Childhood Classrooms	3
Multicultural and Urban Focus (one course required)		
EDCI 5560	Teaching & Learning in an Urban Classroom	3
EDCI 5561	Teaching Diverse Populations in Today's Classrooms	3
EDCI 5562	Teaching for Equity and Social Justice	3
EDCI 5563	Multicultural Perspectives in Education	3
Culminating Experience (one course required)		
EDCI 5575	Internship	3
EDCI 5595	Action Research	3
EDSP 5516	Philosophical and Family Issues in Special Education	3

EMPHASIS AREA: GENERAL

Total Hours Required
36

The general option is the most flexible and allows students to create a program to meet their desire to become an accomplished teacher. This degree may be pursued concurrently with teacher certification. Additional coursework is required for certification. In addition to the core courses, students take coursework related to their educational role and supporting coursework in curriculum and instruction.

Courses Related to the Student's Educational Role

Twelve credit hours of approved coursework may be taken in any college or school of the University. They should form a coherent body of work related to the student's educational goals.

Supporting Courses

Six credit hours of coursework offered by the Division of Curriculum and Instructional Leadership are required.

Alternative Teacher Certification

The Alternative Teacher Certification (ATC) program at the University of Missouri-Kansas City is designed to meet the needs of Missouri school districts for middle and secondary school teachers through a temporary authorization certificate. A Temporary Authorization Certificate provides a nontraditional route for teacher candidates to earn an income teaching full time while completing the necessary coursework at UMKC to be successful in today's classrooms. Teacher candidates will be supported throughout their participation in the program with weekly cohort seminars, instructional assistance and mentoring. The program is intended to serve and meet the needs of those teachers who have been hired in a Missouri school district.

After a Program of Study has been developed and approved by UMKC, the teacher candidate will be responsible for filing this information with the Department of Elementary and Secondary Education in Jefferson City, Mo. After all requested information has been received, a teacher candidate will be issued a one year temporary certificate. This certificate enables a person to teach while earning the necessary requirements for a professional classification. After successful completion of the ATC program, a teacher

candidate will be recommended for a full professional teaching certificate in the decided upon content area and grade level.

Areas of Alternative Certification Offered by UMKC for 2005-2006: Art, English, Foreign Language, Mathematics, Science and Social Studies.

Alternative Teacher Certification Admissions Requirements

Full admission to the UMKC alternative certification program requires the following steps:

Steps for Eligibility:

1. Initial interview with the Director of Alternative Certification and preview program to obtain certification.
2. A cumulative 3.0 GPA.
3. Minimum 3.0 GPA in content field.
4. B.A. in a "closely related field" (As determined by UMKC and participating school district).
5. A contract with a Missouri school district teaching in the field for which certification is being sought.

Steps After You Have Obtained A Teaching Position:

1. Complete University of Missouri-Kansas City application for admission (if not already admitted to UMKC). Application available at: http://www.umkc.edu/admit. A $35 application fee payable to UMKC is required of students not already admitted to UMKC.
2. Complete School of Education Alternative Teacher Certification application.
3. Print and complete the state application form available online at: http://dese.mo.gov/forms/divteachqual/MO500-2327.pdf, it will need to be signed by your employing school district. A copy of the Academic Contract must also accompany this application. Copies are also available from the Director of Alternative Certification.
4. Pass FBI background check during the first semester in program (This step needs to be completed immediately after being hired by a school district. You may obtain this information from the district or university).
5. Meet with Director of Alternative Certification to develop a Program of Study. This is a list of courses you will take to earn your certification. A list of suggested courses is attached to this document.
6. Submit official transcripts from all institutions (undergraduate and graduate).

Steps Within the First Semester and Program Participation:

1. Participate in weekly cohort group.
2. Pass subject area PRAXIS II by the end of first semester in program.
3. Pass computer competency exam during first semester in program http://www.umkc.edu/education/comp_require.htm.
4. Pass PRAXIS exam in Teaching and Learning during first year in program.
5. Enroll in classes each semester.

Courses for Temporary Authorization (only)		**Hours**
(Fulfills "courses related to the student's educationalrole" and "supporting courses" from above)		
EDSP 407	Educating Exceptional Children	
-or-	and Youth	3
TE 404	Education of the Exceptional Child	3
EDCI 5561	Teaching Diverse Populations in Today's Classrooms	3
EDUC 489BP	Basic Principles of Teaching and Learning in Today's Classrooms	3
TE 4xx	Special Methods (content field)	3
TE 427	Reading in the Content Fields	3
EDRP 5512	Adolescent Development	3
-or-		
TE 420	Adolescent Development	3
EDCI 5589xx	Classroom Assessment	3
EDUC 489TA	Beginning Teacher Seminar (1 credit hour x 3 semesters)	3

Alternative Certification Program Requirements to Receive University Recommendation for Certification

- Fulfill all components of the agreed upon Program of Study.
- Satisfactory completion of all coursework listed above with grades of C or better (C- or below is not acceptable).
- Overall 2.5 GPA.
- Successful performance on evaluations/observations from school, director, and university supervisors.
- Portfolio review demonstrating satisfactory achievement of the UMKC Teacher Education Preparation Goals.

A teacher candidate must be successful in the classroom and school setting as determined by the university and the participating school district. If a teacher candidate is not successful in the classroom or school setting, the university and/or district holds the right to remove the teacher candidate from the Alternative Teacher Certification program.

EMPHASIS AREA: EARLY CHILDHOOD

Total Hours Required **36**

The following courses are required in addition to the core courses listed.

The early childhood emphasis is for those who hold elementary or early childhood teacher certification, or for those who are interested in the field of early care. The master's degree alone does not lead to certification in early childhood. Additional courses are required to obtain certification to teach early childhood education.

Early Childhood Courses		**Hours**
(Fifteen hours, including one practicum course, are required)		
TE 440	Introduction to Early Childhood Education	3
TE 442	Observation, Assessment and Screening	3
TE 450	Integrating Early Childhood Curriculum	4
TE 451	Child Guidance in the Classroom	3
TE 452	Family & Program Relations	4
TE 453	Learning from Parents	2
TE 454	Human Relations	3
EDCI 5576	Administration of Early Childhood Education Programs	3
EDCI 5578	Play and the Early Childhood Environment	3
EDCI 5579	Theory and Issues in Early Childhood	3
EDCI 5580	Curriculum for Early Childhood	3
EDCI 5581	Infant/Toddler Programs: Theory, Research, and Practice	3
EDCI 5582	Program Models for Early Childhood Education	3
EDCI 5583	Supervision in Early Childhood Education	3

Culminating Experience (two three-hour courses)		
An approved special project, internship orthesis is required to integrate academic work.		
EDCI 5575	Internship in Early Childhood Education	3

EDCI 5584	Individual Studies in Early Childhood Education or Action Research	3
EDUC 5599	Research and Thesis	3

EMPHASIS AREA: ELEMENTARY

Total Hours Required 36

The following courses are required in addition to the core courses listed.

This emphasis is for elementary teachers or those teachers who are interested in gaining perspective on elementary strategies. It does not lead to elementary certification.

Curriculum in Basic ContentHours(four courses required)		
EDCI 5504	Social Studies Curriculum	
EDCI 5522	Language Arts in the	
-or-	Elementary School	3
EDCI 5523	Advanced Literature for Children	3
EDCI 5531	Diagnosis and Remediation of Math Learning Problems	3
EDCI 5553	Curriculum and Instruction in Science	3
EDCI 5539	Mathematics Curriculum Development	3

Multicultural and Urban Focus(one course required)		
EDCI 5560	Teaching & Learning in an Urban Classroom	3
EDCI 5561	Teaching Diverse Populations in Today's Classrooms	3
EDCI 5562	Teaching for Equity and Social Justice	3
EDCI 5563	Multicultural Perspectives in Education	3

Culminating Experience		
EDCI 5516	Philosophical and Family Issues in Special Education	3

EMPHASIS AREA: SUBJECT MATTER (30 HOURS)

Total Hours Required 36

The following courses are required in addition to the core courses listed.

Curriculum in the Designated SubjectHoursMatter Area (one course required)		
EDCI 5504	Social Studies Curriculum	3
EDCI 5520	English Curriculum in the Middle and High School	3
EDCI 5522	Language Arts in the Elementary School	3
EDCI 5539	Mathematics Curriculum Development	3
EDCI 5551	Science Curriculum in the Middle and High School	3
EDCI 5566	Specialized Secondary Curriculum in Social Studies	3

Subject Matter Concentration

Nine hours of coursework related to the student's teaching area are required. The courses would typically be taken in a department of the College of Arts and Sciences, the School of Biological Sciences or be subject-related courses in the School of Education.

Secondary Art

EDCI 5513	Effective Communication in the Classroom	3
EDCI 5515	Integrated Arts as a Model for Classroom Instruction	3
EDCI 5523	Advanced Literature for Children	3
EDSP 5516	Philosophical and Family Issues in Special Education	3
Coursework in graduate art history		3
Coursework in graduate studio art		3

Secondary English

EDUC 414	English Language Study	3
EDUC 440	Literature for Adolescents	3
EDCI 5520	Specialized Secondary School Curriculum in English	3
Coursework related to your area of specialization, typically English courses		6
Elective coursework in Curriculum and Instructional Leadership (EDCI)		3

Secondary Mathematics

EDCI 5511	Developing Multidisciplinary Problem Solving Skills	3
EDCI 5536	Specialized Secondary School Curriculum Mathematics	3
EDCI 5539	Mathematics Curriculum Development	3
Coursework related to your area of specialization, typically math courses		6
Elective coursework in Curriculum and Instructional Leadership (EDCI)		3

Secondary Natural Science

EDCI 5551	Science Curriculum in the Middle and High School	3

EDCI 5553	Curriculum and Instruction in Science	3
Coursework related to your area of specialization, typically science courses		9
Elective coursework in Curriculum and Instructional Leadership (EDCI)		3

Secondary Social Studies

EDCI 5566	Social Studies Curriculum in the Middle and High School	3
EDCI 5506	Curriculum Design	3
-or-		
EDCI 5591	Curriculum and Instruction for the 21st Century	3
Coursework related to your area of specialization, typically history courses		9
Coursework with Multicultural & Urban Focus		3

EMPHASIS AREA: MULTICULTURAL EDUCATION

Total Hours Required 36

This emphasis is for teachers or practitioners who are interested in developing competency for multicultural teaching. Students will have the option of selecting a focus area in Cultural Diversity, Urban Teaching and Working with Limited English Proficient Learners. The program does not lead to teacher certification.

The following courses are required in addition to the core courses listed:

Curriculum in Multicultural Education		**Hours**
EDCI 5508	Motivating Students through Culturally Responsive Pedagogy	3
EDCI 5548	English as a Second Language in Content Areas	3
EDCI 5560	Teaching and Learning in Urban Schools	3
EDCI 5561	Teaching Diverse Populations in Today's Classrooms	3
EDCI 5562	Teaching for Equity and Social Justice	3
EDCI 5563	Multicultural Perspectives in Education	3

EMPHASIS AREA: TEACHING ENGLISH AS A SECOND LANGUAGE

Total Hours Required
36

This program leads to an endorsement to teach English to speakers of other languages in schools for those who already possess a teaching certificate for elementary or secondary education. Others may take the degree program for personal enrichment and for use outside of public education.

The following courses are required in addition to the core courses listed:

Teaching English as a Second Language		**Hours**
EDCI 5545	Language Learning in a	
-or-	Multilingual Society	3
ENGL 470	Introduction to Descriptive Linguistics	3
EDCI 5546	Literacy Development/Biliteracy	3
EDCI 5547	Foundations of English as Second Language: Instruction and Theory	3
EDCI 5548	English as a Second Language in Content Areas	3
EDCI 5549	Practicum in English as a Second Language	3
FRNL 494	Methods of Teaching a Foreign Language	3

An elective course related to teaching English to speakers of other languages. Courses must be approved by a faculty adviser.

EMPHASIS AREA: LEARNING TECHNOLOGIES

This program of study is designed to develop educators capable of implementing new technologies effectively in a variety of learning environments.

Total Hours Required36

The following courses are required in addition to the core courses listed:

Curriculum in Technology		**Hours**
EDCI 5549	Practicum: Design of Technology Project	3
EDCI 5570	Curriculum and Instruction in Technology	3
EDCI 5571	Cognition and Technology	3
EDCI 5572	Assessing the Role of Technology in Education	3
EDCI 5573	Development of Learning Technologies Programs	3
EDCI 5589	Culminating Event: Thesis	3
EDCI 5595	Action Research	3

MASTER OF ARTS: READING EDUCATION

The Division of Curriculum and Instructional Leadership offers a program of study leading to the Master of Arts Degree in Reading Education. A reading teacher certification program is also available to those who hold a prior teaching certificate for public schools and have a minimum of two years teaching experience.

Objectives for the master of arts vary according to candidates' career objectives. In general, candidates should expect:

1. To develop competencies in:
    - Reading instruction for elementary and/or secondary, college and adult students.
    - Individual diagnosis and treatment of sub-optimal to severely disabled readers.
    - Knowledge of the strategies and techniques used in reading research, and experience in reading and reporting such research.
2. To meet requirements for certification as a Special Reading Teacher grades K-12. (Initial teaching certification at the elementary, middle or secondary level required.)
3. To meet all professional standards specified by the Professional Standards and Ethics Committee of the International Reading Association.

The 36-credit-hour program of study consists of the reading requirements, humanistic and behavioral studies requirements, and electives.

Reading Requirements for the Major Area

A minimum of 21 credit hours of reading coursework is required and must include:

- EDUC 434 Classroom Diagnosis and Correction of Reading Problems
- EDUC 439 Content Area Reading and Language in the Intermediate through Junior High Levels
- EDUC 5501 Teaching of Reading
- EDUC 5534 Reading Assessment and Evaluation
- EDUC 5542 Introduction to Diagnostic and Treatment Procedures in Reading
- EDUC 5575R Internship in Reading
- EDUC 5590R Seminar in Reading

Humanistic Studies

A minimum of 3 hours must include one of the following courses:

- EDSP 5516 Philosophical Issues in Family Problems
- EDUL 5525 Cultural Foundations of Education
- EDUL 5526 Philosophical Foundations of Education
- EDUL 5527 Historical Foundations of Education

Behavioral Studies

A minimum of 3 hours must include one of the following courses:

- EDRP 5502 Advanced Educational Psychology
- EDRP 5510 Child Behavior and Development
- EDRP 5512 Adolescent Development
- EDRP 5513 Life Span Human Development

Multicultural and Urban Focus

A minimum of 3 hours must include one of the following courses:

- EDCI 5560 Teaching & Learning in an Urban Classroom
- EDCI 5561 Teaching Diverse Populations in Today's Classrooms
- EDCI 5562 Teaching for Equity and Social Justice
- EDCI 5563 Multicultural Perspectives in Education

Electives

Six credit hours of coursework related to the major area of reading/literacy are needed to satisfy this requirement. This coursework must be approved by the student's faculty adviser.

Final Examination

Students must pass a written examination covering their reading coursework.

MASTER OF ARTS: SPECIAL EDUCATION

The master of arts in special education is a degree sought by teachers and others who wish to enhance their knowledge and skills in working with children and adolescents with exceptional learning needs. The Division of Curriculum and Instructional Leadership offers a program of study leading to the degree of master of arts in special education. The focus of the master's degree is in **Mild-Moderate/Cross-Categorical (MM/CC) Disabilities**. The program prepares educators to teach students, to serve as advocates for children and their families, and to work collaboratively with colleagues in K-12 educational settings, including public and charter schools, private schools, residential centers and hospital programs.

Admission Requirements

Candidates entering the master's program with emphasis in MM/CC disabilities must hold a baccalaureate degree and have an overall 2.75 GPA or higher on a 4.0 scale. Official admission to the University of Missouri-Kansas City graduate school is required. All candidates must pass the School of Education Proficiency Examinations in Computer Literacy and Writing Literacy.

Candidates who do not hold initial teaching certification in elementary or secondary education must pass the College Basic Academic Subjects Examination (CBASE), with a score of 235 or greater, prior to filing an official program of study. Informational packets for the CBASE can be obtained from Student Services in the School of Education.

Program Requirements

Program requirements vary depending on the combination of degree and certification desired. Three program options ranging from 36-66 hours provide opportunities for candidates to earn a master's degree with or without special education teaching certification.

- Program Option 1: Initial Certification plus Master's Degree - 66 hours
- Program Option 2: Master's Degree with Special Education Endorsement for Those with Previous Certification - 36-51 hours
- Program Option 3: Master's Degree Only - 36 hours

For specific degree requirements, contact the Division of Curriculum and Instructional Leadership at (816) 235-**2241** or e-mail education@umkc.edu.

Certification

Courses required for certification in Missouri and Kansas are typically completed as part of the MM/CC program. Arrangements can be made for obtaining temporary certification in MM/CC in Missouri only; however, employment in the field is required. Because the requirements for certification vary from state to state, it is important to plan a course of study carefully with a special education faculty adviser during the first semester of coursework at UMKC.

EDUCATIONAL SPECIALIST: EDUCATIONAL ADMINISTRATION

The educational specialist degree with emphasis in school administration (accredited by the National Council for Accreditation of Teacher Education and the Missouri Department of Elementary and Secondary Education) prepares teachers for specialization in school leadership and administration. The program also provides an opportunity for practicing administrators to enhance their professional skills and to connect with other practitioners from the metropolitan area and region. To this end, the program's emphasis is the development of broad understanding and experiences across the whole professional field, the acquisition of in-depth knowledge in at least one specialized field in educational administration, and integrative experiences demonstrating the application of theory to practice.

The program of study will be planned in accord with the candidates' professional goals. Emphasis areas include:

- General administration (school superintendents and other central office administrators)
- Secondary principals or assistant principals
- Elementary principals or assistant principals

Although not essential to completion of the educational specialist degree, the master of arts may be earned by the candidate at approximately the halfway point.

Requirements for Admission

Candidates must:

1. Possess a bachelor's or master's degree.
2. Have compatible teacher certification if seeking administrative certification (i.e., to be an elementary principal one must be an elementary teacher).
3. Have at least two years of professional education experience.
4. Meet unconditional admission requirements of the School of Graduate Studies, the School of Education and the Division of Urban Leadership and Policy Studies.

Curriculum

A minimum of 36 credit hours is required in the major area. Individual programs will be designed with the assistance of the faculty adviser to develop competencies in the theoretical, technical and functional aspects of educational administration.
The basic prerequisite course for the K-12 program is:

- EDUL 5501, Foundations of School Leadership and Organization

The basic prerequisite course for the higher educational administration program is:

- EDUL 5550, Organization and Administration of Higher Education

Completion of one of the following is required in all programs:

- EDUL 5574 Administrative Practicum
- EDUL 5570 Administrative Practicum in Higher Educational Administration
- EDUL 5575 Internship in Administration
- EDUL 5571 Internship in Higher Educational Administration

Candidates are required to complete 18-27 credit hours of work in the supporting areas in education and humanistic and behavioral studies. Courses in the field of educational psychology, history of education, philosophy of education, sociology of education, curriculum, counseling, anthropology and approved courses from the Henry W. Bloch School of Business and Public Administration or from the behavioral sciences or humanities are considered appropriate.
Also required are **both** of the following:

- EDRP 5508, Principles and Methods of Research
- A second approved research course, such as statistics or a computer language.

Note: Students should identify a faculty adviser in urban leadership and policy studies in education at the time of admission to the School of Education. Final program planning is a joint responsibility of the candidate, the faculty adviser and the candidate's committee.

The committee, consisting of three members of the faculty, is established for each candidate early in the program of study. This committee and the candidate work cooperatively in reviewing progress in the program, planning the field project and making arrangements for the oral examination. The committee makes recommendations to the dean of the School of Education regarding the candidate's program and the satisfactory completion of graduation requirements.

Requirements for Graduation

In addition to the general School of Education graduate degree requirements, the Ed.S. degree in educational administration also requires:

1. EDUL 5574 Administrative Practicum
   -or-
   EDUL 5570 Administrative Practicum in Higher Education
   -or-
   EDUL 5575 Administrative Internship
   -or-
   EDUL 5571 Administrative Internship in Higher Educational Administration.
2. A planned field experience.
3. A written project.
4. A final oral examination upon completion of the administrative practicum or internship.
5. The educational specialist degrees designed to meet state certification requirements for school superintendency and special education administration have specific course requirements in addition to the above.

EDUCATIONAL SPECIALIST: COUNSELING AND GUIDANCE

The Educational Specialist degree in counseling and guidance is a post-masters program designed for experienced counselors who desire to improve, update or add another area to their professional expertise. Emphasis areas include mental health counseling, couples and family counseling, school counseling with concentration in elementary or secondary, and substance abuse counseling.

The Educational Specialist program has four options: expand the area of their master's degree, re-specialize in a different emphasis area, become certified as a school counselor, or add an emphasis area. Those electing the School Counseling emphasis will, upon successful completion of the coursework and passing of the Praxis Exam for counseling, become eligible for school counselor certification in Missouri. The other counseling emphases are designed for students who wish to work in a variety of settings other than the public schools. Those earning degrees in counseling become employed in community colleges, four-year colleges, specialized areas in large universities (e.g. career planning and placement, drug and alcohol counseling), the court system and community-based mental health services.

Student Learning Outcomes

Graduates demonstrate skills and knowledge in the following areas:

- Theories of counseling
- The counseling relationship
- Human growth and development
- Social and cultural foundations of counseling
- Career development
- Assessment
- Research methods
- Counseling skills
- Professional identity
- Ethical standards and issues
- Psychopathology and Diagnosis (for graduates from the Mental Health and Substance Abuse emphasis areas only)
- Program development and management (school counseling emphasis)
- Counseling supervision

Requirements for Admission

Applicants must:

1. Satisfy all requirements for unconditional admission to the School of Graduate Studies.
2. Hold a master's degree in counseling from an accredited institution.

3. Have completed courses in theories and methods of counseling and in counseling practicum with grades no lower than B.
4. Have a graduate GPA of at least 3.25 on a 4.0 scale.
5. A minimum verbal score of 450 or a combined verbal and quantitative score of 900, and a minimum analytical writing score of 4.0 on the GRE is required for consideration under regular admission criteria. The GRE requirement can be waived if the applicant is a graduate of a master's degree program equivalent to the UMKC Master's degree in Counseling and Guidance (at least 48 credit hours) with a graduate 3.75 GPA.

Admission Procedures

Individuals must make a formal application to the Division of Counseling and Educational Psychology for admission into the educational specialist program. Applications are accepted and reviewed on an ongoing basis.

Send the following materials:

1. UMKC Application for Admission.
2. Application Fee : $35.
3. Official transcripts from all post-secondary institutions.
4. Official GRE scores.

to the following adress:

Mailing Address

University of Missouri-Kansas City
UMKC Admissions
120 Administrative Center
5100 Rockhill Road
Kansas City, MO 64110-2499

Send the following materials:

1. Cover sheet for the Education Specialist Degree in Counseling and Guidance Program.
2. Three letters of recommendation.
    - Raters should address your suitability for professional studies in mental health.
    - Raters should have knowledge of your interpersonal and intellectual functioning and skills in research, counseling and written and oral communication.
    - Raters should enclose their letters of recommendation along with the provided rating sheet in an envelope and sign their names across the back of the envelope.
    - All letters should be collected by the applicant and returned with all other application materials, **or** raters may mail directly to the Education Specialist Counseling and Guidance Admissions Committee.
3. Personal statement.
    - Submit a concise two-three page statement concerning your professional goals.
    - Include your professional and applied interests/experiences.
4. Self-addressed stamped envelope.

to the following address:

Mailing Address

University of Missouri-Kansas City
Counseling and Educational Psychology
215 Education
5100 Rockhill Road
Kansas City, MO 64110-2499

Curriculum

Program of study must include the equivalent of the current M.A. degree in Counseling and Guidance at UMKC plus an additional emphasis-area minimum of 18 credit hours. Coursework is dependent on the emphasis option chosen and will be determined with the help of an adviser. Students must maintain a B average in all coursework associated with the Ed.S. program.

- No grade below B in professional counseling courses will be acceptable.
- Students are required to confer with advisers prior to enrolling in any course leading to the educational specialist degree.
- Courses at the 5600 level cannot be taken until students are admitted to the Ed.S. program.

Requirements for Graduation

Students must complete all courses in the Ed.S. program with at least a 3.0 (B) final GPA.

Students must apply for graduation by the posted deadline during their final term of enrollment. All students must be enrolled during the term they intend to graduate.

More information about the program can be found at http://education.umkc.edu/CEP/edspecialist/index.asp

EDUCATIONAL SPECIALIST: CURRICULUM AND INSTRUCTION

The goal of the educational specialist degree in Curriculum and Instruction is to develop personnel with the skills and understanding necessary to provide leadership in developing, implementing and evaluating instructional programs. Students may elect to prepare themselves for a particular curricular level, ranging from early childhood to post-secondary education, and for particular subject matter specializations, including language arts, mathematics, science and social studies. The program of study will emphasize extending the educators' abilities to apply theory, methodology and techniques to practical problems in their field. Emphasis areas include early childhood, elementary or middle school, subject matter specialty and curriculum theory and leadership.

The program is intended to provide classroom teachers and other practitioners with the professional background and expertise to function effectively as department chairs, curriculum coordinators/supervisors, grade-level coordinators, instructional team leaders, workshop leaders, in-service directors, etc.
Objectives of the program include:

- Understanding basic principles of curriculum development.
- Understanding basic principles and methods of curriculum evaluation.
- Extending knowledge in a subject matter specialization.
- Understanding curriculum strategies, historical and current, as applied to specialized subject matter areas.
- Applying curriculum skills and understanding to the resolution of instructional problems in a selected educational setting.
- Demonstrating skill in locating and interpreting research literature in fields of interest.
- Understanding the contribution of humanistic and behavioral studies to the field of education.
- Developing concepts and skills in a professional area which supports or extends the specialization in curriculum.

Requirements for Admission

1. Students are eligible for consideration for admission to the Ed.S. program in Curriculum and Instruction if they have met three of the four following requirements:
    - Two years of teaching experience.
    - Completion of a master's degree in education from an accredited institution of higher education.
    - Cumulative GPA of at least 3.25 on a 4.0 scale in their graduate work.
    - Graduate Record Exam (GRE) verbal score of 500 or better.
2. Students must submit a letter of application for admission to the Division of Curriculum and Instructional Leadership that addresses the student's interest in UMKC, the degree and his/her career goals.

Curriculum

A minimum of 60 post-B.A. hours are required.

Curriculum Summary

Hours	
Specialization	
(Curriculum and Instruction)	30-42
Supporting Area	9-15
Practicum	6-12
Humanistic and Behavioral Studies	6-12
Research Skills	3
Assessment	3
Approved Electives (in above areas)	6
Total (minimum)	**60**

Curriculum Detail

Specialization:

EDCI 5505 Introduction to Curriculum Theory	3
EDCI 5506 Curriculum Design	3
EDCI 5563 Multicultural Perspectives in Education	3
EDCI 5618 Survey of Research in Curriculum	3
-or-	
EDCI 5620 Seminar in Theories Related to Curriculum	3

Select a *specialty area* in consultation with faculty adviser.

A. Early Childhood Specialty (15 hours)

1. Select the following special curriculum courses:
    - TE 450 Integrating the Curriculum in Early Childhood Education
    - EDCI 5578 Play in Early Childhood Education
    - EDCI 5580 Curriculum for Early Childhood Education
    - EDCI 5582 Program Models for Early Childhood Education
2. Select balance of specialty from courses in the early childhood education area offered by the Division of Curriculum and Instructional Leadership and academic units outside of the School of Education.

B. Elementary or Middle School Specialty (15 hours)

1. Select the following special curriculum courses:
    - EDCI 5553 Curriculum & Instruction in Science
    - EDCI 5522 Language Arts in Elementary School
    - EDCI 5504 Social Studies Curriculum in Elementary Education
    - EDCI 5539 Mathematics Curriculum Development
2. Select balance of specialty from courses offered by the Division of Curriculum and Instructional Leadership and academic units outside of the School of Education.

C. Middle School Specialty (15 hours)

Select at least two of the following special curriculum courses:

- EDCI 5504 Social Studies Curriculum in Elementary Education
- EDCI 5522 The Language Arts in Elementary School
- EDCI 5539 Mathematics Curriculum Development
- EDCI 5553 Curriculum and Instruction in Science
- TE 460/462 Middle School Curriculum

D. Subject Matter Specialty (15 hours)

1. Select at least one of the following special curriculum courses:
    - EDCI 5520 English Curriculum in the Middle and High School
    - EDCI 5536 Specialized Secondary School Curriculum: Mathematics
    - EDCI 5551 Specialized Secondary School Curriculum: Natural Sciences
    - EDCI 5566 Specialized Secondary School Curriculum: Social Studies
    - EDCI 5553 Curriculum and Instruction in Science
    - EDCI 5522 The Language Arts in Elementary School
    - EDCI 5504 Social Studies Curriculum in Elementary Education
    - EDCI 5539 Mathematics Curriculum Development
    - TE 460/462 Middle School Curriculum
2. Select balance of specialty from academic courses outside the School of Education; for example, courses in math, science, history, English, etc.

E. Multicultural Education

- EDCI 5545 Language Learning in a Multilingual Society
- EDCI 5546 Literacy Development/Biliteracy
- EDCI 5547 Foundations of English as a Second Language
- EDCI 5548 English as a Second Language in Content Areas
- EDCI 5549 Practicum in English as a Second Language
- EDCI 5560 Teaching and Learning in the Urban Classroom
- EDCI 5561 Teaching Diverse Populations in Today's Classroom
- EDCI 5562 Teaching for Equity and Social Justice
- EDCI 5563 Multicultural Perspectives in Education

Supporting Area (9 hours)

A coherent selection of courses related to the students' career objective, in graduate areas outside curriculum and instruction (e.g., school administration, reading, counseling, research, special education, technology, ELL, or multicultural).

Practicum (6 hours)

A novel field experience in an appropriate setting, including the preparation of a satisfactory paper relating to the practicum:

EDCI 5595 Action Research	3
-and-	
EDUC 5621 Practicum in Curriculum and Instruction	3
-or-	
EDUC 5621 Practicum in Curriculum and Instruction	6

Humanistic and Behavioral Studies

One of: (3 hours)
EDUL 5525 Cultural Foundations of Education

EDUL 5526 Philosophical Foundations of Education
EDUL 5527 Historical Foundations of Education

One of: (3 hours)
EDRP 5502 Advanced Educational Psychology
EDRP 5510 Child Behavior and Development
EDRP 5604 Cognitive Processes in Learning and Instruction
EDRP 5512 Adolescent Development

Research Skills (3 hours)

One of:
EDRP 5505 Statistics
EDRP 5508 Principles and Methods of Research

Approved Electives (6 hours)

These courses must be in one or more of the areas specified above.

Program Total (minimum)60

Residency

One full-time summer session or one full-time semester is required.

Program Committee

Final program planning is the joint responsibility of the candidate, the adviser and the candidate's committee. The committee shall consist of three faculty members, all from curriculum and instruction or two members from curriculum and instruction and one from the appropriate subject matter area outside of the School of Education.

This committee and the candidate shall work cooperatively in reviewing progress in the program, planning the practicum experience and making arrangements for the final examination in curriculum.

Final Examination

Students are required to pass a final examination in curriculum upon the completion of the practicum. This four-hour examination may be either written or oral, at the discretion of the committee.

EDUCATIONAL SPECIALIST: READING EDUCATION

Requirements for the Educational Specialist (Ed.S.) Degree in Reading Education support the career objectives of all reading or literacy specialists. More particularly, the degree is intended for those who wish to master the gamut of the field whether their career objective is classroom teacher, reading/literacy specialist, or literacy coach. The objectives of the Ed.S. in Reading Education are:

1. To ensure that the competencies in the discipline (reading education) have been attained and meet professional agency standards.
2. To develop competencies in:
    - Organizing, supervising and evaluating reading programs and classroom literacy instruction.
    - Translating literacy research findings into practices.
    - Reading/literacy assessment and diagnostic procedures.
    - Working with severely reading disabled to dyslexic children.
    - Teaching reading at the secondary, junior college, college and adult levels.
    - Conducting teacher training workshops at the teacher in-service level.
    - Performing the duties of reading specialist and literacy coach.

Requirements for Admission

Candidate must:

1. Be admitted to the UMKC School of Graduate Studies.
2. Possess a bachelor's degree and a teaching certificate.
3. Have at least two years of teaching experience (or its equivalent).
4. Have completed a minimum of six credit hours of graduate-level (5500) courses in reading education taken at UMKC. It is not necessary to have a master's degree to enter the program.

Curriculum

A minimum of 60 post-B.A. hours are required including a minimum of 30 credit hours beyond the master's degree.

Curriculum Summary

Hours	
Reading Concentration	21-42
Supporting Area(s)	9-12
Practicum	6-12
Humanistic and Behavioral Studies	6-12

Total (minimum)60

Curriculum Detail

Reading Concentration (21-42 hours) and Practicum (6-12 hours)

- TE 427 Reading in the Secondary School
- EDUC 434 Classroom Diagnosis and Correction of Reading Problems
- EDUC 439 Content Reading and Language Development(4-12)
- EDUC 5501 The Teaching of Reading
- EDUC 5534 Reading Assessment and Evaluation
- EDUC 5542 Introduction Diagnostic and Treatment Procedures in Reading
- EDUC 5552 Advanced Diagnostic and Treatment Procedures in Reading
- EDUC 5575R Internship in Reading
- EDUC 5590R Seminar in Reading
- EDUC 5601 Organizing and Guiding the Reading Program
- EDUC 5640 Apprenticeship and Conference in College Training
- EDUC 5650 Seminar in Dyslexia and Related Learning Disabilities
- EDUC 5690 Special Problems (Note: Field Project Class)

Supporting Area(s) (9-12 hours)

Select courses from Urban Leadership and/or Curriculum and Instruction

Humanistic and Behavioral Studies(6-12 hours)

- EDRP 5502 Advanced Educational Psychology
- EDRP 5510 Child Behavior and Development
- EDRP 5512 Adolescent Development and the School
- EDUL 5524 Philosophical Inquiry and Education
- EDUL 5525 Cultural Foundations of Education
- EDUL 5526 Philosophical Foundations of Education
- EDUL 5527 Historical Foundations of Education
- EDUL 5528 Sociological Foundations of Education

Requirements for Graduation

Candidates must pass an examination in the major field and complete a reading/literacy field project.

EDUCATIONAL ADMINISTRATION, ED.D. COUNSELING PSYCHOLOGY, PH.D. INTERDISCIPLINARY, PH.D.

Graduate Studies, School of

SCHOOL OF GRADUATE STUDIES

- Doctoral Faculty Participation in the Interdisciplinary Ph.D. Program
  - Interdisciplinary Ph.D. Discipline-Specific Requirements
  - Student Learning Outcomes
  - Art History
  - Cell Biology and Biophysics
  - Chemistry
  - Computer Science
  - Curriculum and Instruction
  - Economics
  - Electrical and Computer Engineering
  - Engineering
  - English
  - Entrepreneurship
  - Geosciences
  - History
  - Mathematics
  - Molecular Biology and Biochemistry
  - Music Education
  - Oral Biology
  - Pharmaceutical Sciences
  - Pharmacology
  - Physics
  - Political Science
  - Psychology
  - Public Affairs and Administration
  - Religious Studies
  - Social Sciences Consortium: Economics, Political Science and Sociology
  - Sociology
  - Telecommunication and Computer Networking
  - Urban Leadership and Policy Studies in Education

INTERDISCIPLINARY PH.D. DISCIPLINE-SPECIFIC REQUIREMENTS

All Interdisciplinary Ph.D. applicants and students must first meet the general requirements of the School of Graduate Studies for admission and retention in the Interdisciplinary Ph.D. program. (General Graduate Academic Regulations and Information, Application Procedure and Minimum Criteria for Admission, Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements.) In addition to these general academic regulations that have been outlined in previous sections of the general catalog, disciplines may set more stringent discipline-specific requirements that take priority over the general requirements. Discipline-specific requirements for disciplines eligible to participate in the Interdisciplinary Ph.D. program are listed in alphabetical order by name of discipline. These guidelines are subject to ongoing review and revision, and the doctoral faculty reserves the right to make judicious changes in discipline-specific requirements. The student is referred to coordinators in the disciplines for the most current information.

STUDENT LEARNING OUTCOMES

The course requirements for the program are not predetermined, but rather formulated by the student in consultation with the UMKC doctoral faculty who will serve on their supervisory committee, to meet the student's individual needs and research interests, satisfy discipline-specific requirements and assure upon graduation students are able to:

- Demonstrate appropriate depth and breadth of knowledge in their disciplines.
- Use skills of interdisciplinary scholarship and research to integrate multiple perspectives.
- Work effectively in a collaborative environment.
- Effectively communicate results of their research to diverse audiences.
- Understand and value diverse approaches to problems.
- Use self-reflection for personal and professional improvement.

ART HISTORY

Discipline Coordinator

Maude Southwell Wahlman, (816) 235-**2986**, wahlmanm@umkc.edu

Doctoral Faculty Participation

Robert Cohon (A)
Frances Connelly
Burton Dunbar III
Maude Southwell Wahlman
Rochelle Ziskin

Art History is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

In addition to the general criteria for admission, applicants will be expected to have an undergraduate degree in art history, anthropology or history and an undergraduate minimum GPA of at least 3.0 on a 4.0 scale. An M.A. in art history is desired. Prerequisite coursework: Survey of World Arts. New students will be considered for admission for fall and spring semesters. Submit applications by Jan. 31 for fall admission or Sept. 1 for spring. In addition to the required application form, test scores, recommendations and transcripts, applicants must provide a written research plan and a research writing example. Presently only students with an interest in non-Western arts are encouraged to apply.

Suggested Compatible Co-disciplines

Curriculum and instruction, economics, English, history, religious studies and sociology.

Core Requirements

Art History as a Coordinating Discipline

Required courses:

ART 5501 Scope and Methods of Art History*
ART 5573 Visual Arts Administration*
Seminars in African, African-American, MesoAmerican and
Native American Arts.
* Research methodology courses.
Remaining credits depend upon what courses the student has taken before coming into the program. Students will generally design a total plan of study (coordinating discipline and co-discipline coursework) that includes 60 hours beyond the baccalaureate degree or 30 hours beyond the master's degree if in Art History.

Art History as a Co-discipline

Required courses:

ART 5501 Scope and Methods of Art History
Seminars in African, African-American, MesoAmerican or
Native American Arts.
Remaining credits depend upon what courses the student has taken before coming into the program.

Requirements for Comprehensive Exams

Oral and written comprehensive exams are required, with questions based on courses taken.

Other Special Discipline-Specific Requirements

Two foreign language requirements: As determined by the Faculty Advisory Committee for each student, who will master a reading knowledge of two foreign languages, for the coordinating-unit discipline of art history and for art history as a co-discipline. The foreign language requirement should be satisfied by the time 18 hours of graduate credit have been taken toward the Interdisciplinary Ph.D. The Faculty Advisory Commitee must include two art historians. Students must meet with their Faculty Advisory Committee at least once each semester. Students must complete Annual Evaluation forms each spring.

CELL BIOLOGY AND BIOPHYSICS

Discipline Coordinator
G. Sullivan Read, (816) 235-**2583**, readgs@umkc.edu

Doctoral Faculty Participation

Bibie M. Chronwall
James A. Coffman (A)
Antony Cooper
Lawrence Dreyfus
Mark T. Fisher (A)
Brian V. Geisbrecht
Edward P. Gogol
George M. Helmkamp, Jr. (A)
Saul M. Honigberg
John H. Laity
Douglas Law
Thomas M. Menees
Michael Plamann
G. Sullivan Read, Jr.
George J. Thomas, Jr.
Jakob H. Waterborg
Lynwood R. Yarbrough (A)
Marilyn Yoder
Xiao-Qiang Yu

Cell Biology and Biophysics is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

No additional requirements. Due to the sequencing of coursework, new students selecting cell biology and biophysics as their coordinating unit will normally only be admitted in the fall term. In general, initial admission will be granted into an M.S. track leading to full admission to the Ph.D. program.

Qualifying Requirements for Full Admission

Minimum of 16 hours of approved graduate coursework at UMKC toward the Ph.D. program with a grade-point average of at least 3.0. International students must establish English proficiency.

Suggested Compatible Co-disciplines

Other sciences such as chemistry, molecular biology and biochemistry, pharmaceutical science, pharmacology, oral biology or physics.

Core Program Requirements

For Students with this Discipline as their Coordinating Unit

Minimum Core

30 credit hours of courses and 15 credit hours of dissertation research for a total of 45 credit hours of post-baccalaureate credits, distributed as indicated below. The core courses should be completed by the end of the second academic year after admission to the graduate program on a full-time basis (individual arrangements will be made for part-time students).

- 30-credit-hour minimum core of courses and competencies.
  - 13 to 17 credits in cell biology and biophysics (5500-level or higher), including:
    - LSCBB 5596 or 5597 Advanced Experimental Cell Biology and Biophysics (two credits)
    - LSCBB 5612 Seminar in Cell Biology and Biophysics (two credits)
    - 9 to 12 credits selected from among the following three-credit-hour courses: LSCBB 5520 Eukaryotic Cell Biology, LSCBB 5566 Membrane Biochemistry, LSCBB 5530 Prokaryotic Molecular Biology, LSCBB 5569 Structural Biology or LSCBB 5505 Molecular and Cellular Neurobiology.
  - LSCBB 5690/LSMBB 5690 Analytical Methods (five credits)
  - 9 to 12 credits in related disciplines. Related disciplines are molecular biology and biochemistry, chemistry, pharmaceutical sciences, pharmacology and oral biology, although others are not precluded.

  Seminar courses are part of this component of required courses, up to a maximum of three for the program, as are additional credits of Advanced Experimental Molecular or Cell Biology (a total of four credits in experimental laboratory courses, independent of thesis research, is required). 5700-level courses may not be used to satisfy cell biology and biophysics discipline-specific course requirements.

  Any of the above courses, whether part of the primary or related discipline requirements, will be credited toward the 30-credit Ph.D. course requirement if taken as part of any graduate program at UMKC and if a grade of B or better is received.

- At least 15 credit hours of dissertation research in cell biology and biophysics.

In addition to basic 30-credit course core, each student's supervisory committee may require up to nine credit hours in additional elective courses in any University-approved doctoral discipline as preparation for specific areas of research. No more than seven credit hours of 5500-level courses, or their equivalent, can be taken at institutions outside UMKC.

For Students with this Discipline as a Co-discipline

Students who select this discipline as a co-discipline must take a minimum of 11 credit hours of core courses, plus seminars, including the following:

- LSMBB 5561 General Biochemistry I (four credits)
- LSMBB 5562 General Biochemistry II (four credits)
- LSCBB 5612 or LSMBB 5611 (1 credit)
- A sufficient amount of other core courses to constitute the required percentage of their overall program of study. 5700-level courses may not be used to satisfy cell biology discipline-specific course requirements.

Other Discipline-Specific Special Requirements

Students with this discipline as a coordinating unit must participate in the teaching program of the School of Biological Sciences.

Students with this discipline as a coordinating unit or co-discipline must participate in seminars.

Retention in Program

No more than one C grade will be permitted in basic core coursework. If a student with this discipline as the coordinating-unit discipline receives more than one C grade in a basic course, he or she will be dropped from the doctoral program. Students with this discipline as a co-discipline who receive more than one C grade will be dropped from the discipline.

A minimum grade of B in LSMBB 5561 and 5562 is required to remain as a doctoral student in this discipline.

For students with this discipline as their coordinating-unit discipline, no more than two C grades will be allowed in any courses and no D or F grades are permitted. A student who receives more than two C grades or a D/F grade will be recommended for termination from the doctoral program.

The doctoral faculty in cell biology and biophysics meets formally at the end of each academic year to discuss and evaluate all graduate students' progress. Each student's committee also meets with the student at least once a year. After the annual doctoral-faculty meeting, each student receives a written evaluation of his or her status and a report is placed in the student's file.

Comprehensive Examination Regulations

Full-time students with cell biology as their coordinating-unit discipline must take their comprehensive examination before the beginning of the third academic year after admission to Ph.D. study. Part-time Ph.D. students in this discipline must complete their comprehensive examination immediately after completion of the 25-hour course requirement on their Ph.D. plan of study.

Format

For students with this discipline as their coordinating-unit discipline, written and oral examinations are required.

Written Portion

The written examination, for students who have cell biology and biophysics as their primary discipline, has two components. The first component consists of a written, general comprehensive examination testing an integrated knowledge of material acquired through the courses and the seminar series in the coordinating-unit discipline and co-discipline. The second component of the written examination consists of an NIH-style grant proposal that the student will prepare. The topic of the research proposal will be determined by the student in consultation with the student's supervisory committee.

Oral Portion

The oral examination has two aspects: (1) questions covering the grant proposal prepared by the student for the written examination and (2) other related material in the student's area of specialization, including fundamental knowledge of the student's chosen disciplines.

CHEMISTRY

Discipline Coordinator

Y. C. Jerry Jean, (816) 235-**2280**, jeany@umkc.edu

Doctoral Faculty Participation

K. L. Cheng (E)
Jerry Dias
James R. Durig (D)
Andrew J. Holder
Nathan Oyler
Zhonghua Peng
Thomas C. Sandreczki
Kenneth Schmitz

Y.C. J. Jean (D)
Ekaterina Kadnikova
Kathleen V. Kilway
J. David Van Horn
Charles J. Wurrey

Chemistry is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Admission Requirements

Chemistry as a Coordinating Unit

Normally, only applications to full-time academic status will be considered. To qualify for full admission (Note: full admission is unrelated to full-time academic status), applicants are expected to have the equivalent of an American Chemical Society-approved bachelor's degree in chemistry, which includes coursework in general chemistry, analytical chemistry, one year of organic chemistry, inorganic chemistry and one year of physical chemistry requiring calculus and physics as prerequisites. (For example, see UMKC's B.S. program in the Chemistry section in this catalog.) Applicants will be admitted as provisional students with a limited number of undergraduate deficiencies. They will be notified, at the time admission is offered, of any requirements to be met for reclassification as fully admitted. Undergraduate courses included in these requirements must be completed with grades of "C" or higher.

Recommended Compatible Co-disciplines

Curriculum and instruction, engineering, geosciences, mathematics, pharmaceutical sciencesphysics and pharmacology.

Chemistry as a Co-discipline

Applicants are expected to have undergraduate coursework in general chemistry and organic chemistry. Applicants accepted as provisional students will be notified, at the time admission is offered, of any requirements to be met for reclassification as fully admitted. Undergraduate courses included in these requirements must be completed with grades of "C" or higher.

Core Requirements

Chemistry as a Coordinating Unit

Coursework Requirements

Students are to see the principal graduate adviser, or their research adviser, for advising and signature prior to registering each semester.

Students must successfully complete a minimum of one course from Group A; one course from Group B; one additional course from Group A or B; one elective course (three credit hours) from any course numbered 5500 or above, except for those excluded below; and one credit hour of chemistry seminar (CHEM 5611). A grade of C+ (2.3) or less in more than two chemistry courses applicable to the Ph.D. program will result in termination from Ph.D. candidacy.

Group A: CHEM 5531, 5532, 5533, 5534, 5535 and 5541R
Group B: CHEM 5521R, 5522, 5551R and 5571R
Excluded as electives: CHEM 5511, 5512, 5520R, 5530, 5540R, 5590, 5595, 5598, 5599, 5611, 5612, 5613, 5699, 5899.

In addition, students must successfully complete nine credit hours of 400-level or above coursework in their co-discipline(s). (A minimum of three of these credit hours must be at the 5500+ level.) Students may be required to take additional courses as outlined by their plan of study.

Any of the above chemistry courses will be credited toward the Ph.D. coursework requirement if taken as part of any previous graduate program at UMKC and a grade of B- (2.7) or better is received. Also, students who have received a grade of B- (2.7) or better in graduate chemistry coursework taken as part of a degree program at another institution may have up to six credit hours of equivalent required coursework waived upon approval of a majority of the supervisory committee. A written request for this waiver is to be submitted and approved before submission of the student's plan of study.

Courses/Experiences Providing Instruction in Research Methodology

Expertise in research methodology will be acquired under the mentorship of the research adviser and supervisory committee. The student's progress will be assessed annually by his/her supervisory committee and the results will be forwarded to the School of Graduate Studies.

Number of Credit Hours Required beyond Bachelor's Degree

A minimum of 13 credit hours of chemistry courses (including chemistry seminar) and 24 credit hours of dissertation research plus a minimum of nine credit hours of co-discipline courses are required. However, up to six credit hours of chemistry may be waived, as described above under Coursework Requirements.

Chemistry as a Co-discipline

Coursework Requirements

Students are required to complete a minimum of three courses (nine credit hours) at the 400-level or above from classes offered by the Department of Chemistry or in conjunction with other units as approved in the student's plan of study. At least three of these credit hours must be at the 5500+ level and taken from courses offered by the Department of Chemistry. The systematic courses CHEM 5520R, 5530 and 5540R may be used to satisfy the "400-level or above" requirement, but not the "5500+ level" requirement. CHEM 5590, 5599 and 5699 may not be used to satisfy these requirements. Students who receive a grade of C+ (2.3) or less in two or more courses used to satisfy these requirements will be disqualified from using Chemistry as their co-discipline.

Any of the above chemistry courses will be credited toward the Ph.D. coursework requirement if taken as part of any previous graduate program at UMKC and if a grade of B- (2.7) or better is received. Transfer credit from another institution cannot be applied to Chemistry's co-discipline requirement.

Special Requirements

Chemistry as a Coordinating Unit

Placement Examinations

Incoming students take placement examinations in analytical, inorganic, organic and physical chemistry. Placement examinations are typically administered the week preceding the first week of classes of the fall and spring semesters. Students scoring below the 50th percentile in the organic and/or physical chemistry exams are required to enroll in CHEM 5520R and/or CHEM 5530, respectively. Enrollment in other graduate organic or physical chemistry courses is not permitted until CHEM 5520R and/or CHEM 5530, respectively, is(are) successfully completed. Two grades of C+ (2.3) or lower, or one grade of less than C- (1.7) in CHEM 5520R/5530 will result in termination from the degree program. These courses may not be counted toward the coursework requirements above. Students must complete all additional coursework required as a result of the placement exam scores by the end of their first three regular semesters.

Research Adviser

Full-time students are to select a research adviser from the doctoral faculty of the Department of Chemistry and a supervisory committee by the end of their first regular (e.g. fall or spring) semester on campus.

Seminar

Students are required to attend and participate in all regularly scheduled and special Chemistry Department seminars and colloquia. Students are required to present a one-hour chemistry seminar (CHEM 5611) during their second year following full admission to the Ph.D. program, based on their dissertation research project. This seminar will include a thorough review of the literature pertinent to their project and a description of the objectives, the proposed methodology and the significance of this research. An

abstract is to be posted and distributed one week prior to the presentation date.

Time Constraints and Financial Support

Students must complete all requirements for their degree within seven years from the date of full admission to the Ph.D. program. Under compelling circumstances and on the written recommendation of a majority of the supervisory committee, a single extension for up to one year may be requested for approval by the dean of the School of Graduate Studies. Full-time (as defined in the current UMKC catalog) Ph.D. students may receive financial support (in the form of fellowships or teaching assistantships) from the Department of Chemistry for a maximum of five years. Students from countries not having English as their first language, and who are to be supported as graduate teaching assistants, are to take the SPEAK test before the end of the first week of their first semester on campus. They are to enroll in English 100E their first semester on campus if necessary.

Dissertation

Students must complete a minimum of 24 credit hours of dissertation research (CHEM 5699). All supervisory committee members are to receive a final draft of the dissertation for approval of form and content at least two weeks before submission to the dean of the School of Graduate Studies for certification. Candidates should submit preliminary drafts well in advance of this deadline. After the dissertation is certified for acceptance, the student must present an oral defense of his/her research in the form of a dissertation seminar. The supervisory committee will make a final determination of the acceptability of the dissertation immediately following this presentation. Only minor changes may be made to the dissertation at this point.

Expectations for Interdisciplinary Work

Chemistry as a Coordinating Unit

Students develop and pursue a plan of study that includes coursework from the coordinating unit and co-discipline(s). The interdisciplinary nature of the student's program is emphasized in the comprehensive examination, which includes material from all disciplines in the plan of study.

Chemistry as a Co-discipline

The Department of Chemistry will cooperate with the student's coordinating unit in assessing the interdisciplinary nature of the student's progress.

Comprehensive Examination Guidelines

Chemistry as Coordinating Unit

A written comprehensive examination will be prepared and administered by the examination committee (consisting of the student's supervisory committee and others selected by the dean of the School of Graduate Studies) before completion of the student's third year following full admission to the Ph.D. program. This examination will be based on the student's coursework and on general knowledge in all areas of his/her specialization. All efforts will be made to emphasize the multidisciplinary nature of the student's program in this examination. If the student fails the written portion of the comprehensive examination, he/she may petition the examination committee to allow for a single opportunity to retake it. This second examination must be completed no earlier than 12 weeks and no later than six months from the date of completion of the first examination.

After successful completion of the written portion of the comprehensive examination, an independent research proposal will be prepared describing a research project not related to the student's current research. The topic is to be approved by the examination committee. An abstract is to be posted and distributed, and a written copy of this proposal (in standard NSF or NIH format) given to all members of the examination committee at least one week prior to presentation in a proposal seminar. This seminar must be presented to all members of the examination committee within seven weeks of the completion date of the written portion of the comprehensive examination. The research proposal and proposal seminar are part of the comprehensive examination.

Chemistry as a Co-discipline

The comprehensive examination will be determined by the student's coordinating unit in cooperation with the co-discipline(s).

COMPUTER SCIENCE

Discipline Coordinator
Vijay Kumar, (816) 235-**2366**, kumarv@umkc.edu

Doctoral Faculty Participation

Primary

Deendayal Dinakarpandian
Yijie Han
Lein Harn
Vijay Kumar
Yugyung Lee
Eun K. Park
Xiaojun Shen
Prem Uppuluri
Appie van de Liefvoort

Secondary

Baek-Young Choi
Reza Derekhshani
Deep Medhi
Jerry Place
Yu-Ping Wang

Computer Science is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

A student who meets the minimum discipline requirements stated below will be considered for regular admission to the Ph.D. program. In case a student who meets the requirements partially but shows high potential for advanced-level work may be considered for provisional admission. Admission also depends on factors such as number of seats available, resources available in the area of student's interest, availability of adviser, the quality of previous work, etc. A student not qualifying for admission to the Ph.D. program may be automatically considered for admission to the M.S. computer science program.

Academic Preparation

The applicant must have a bachelor's degree and/or a master's degree in computer science, computer engineering, electronics, communications engineering or any other field requiring substantial training in at least one of the above fields and in mathematics with a GPA of 3.5 or better, cumulative as well as in the major field; and a GPA of 3.5 or better in all post-baccalaureate or post-master's degree work.

Aptitude for Advanced Work

The student must demonstrate an aptitude for advanced-level work through national/international standardized examinations such as the GRE. The expected performance level is the 85th percentile in the quantitative portion of the GRE examination. The student must also show an excellent performance in all of his or her coursework.

Proficiency in English

The student must demonstrate his or her proficiency in oral and written communication in English through national/international standardized English examinations such as TOEFL, verbal portion of the GRE, etc. The expected proficiency level is the 50th percentile in the verbal portion of the GRE or a TOEFL score of 263 or above (230 CBT). UMKC students may also satisfy this requirement by obtaining an English Proficiency Certification from the English Department. [**Note:** As per University policy, all international students go through the English proficiency test upon arrival to the campus, regardless of their scores in TOEFL or verbal portion of GRE or any other test. A student's adviser may also require the student to take the above test, irrespective of the student's native language. As a result of this test, the student may be required to improve his or her oral and written communication in English before enrollment in the courses of the chosen disciplines.]

Recommendations

The student must provide at least **three** recommendation letters, identifying clearly his or her academic achievements and exceptional quality, from the professors from his or her previous institution(s). If the applicant has been out of school for several years, recommendation letters from his or her supervisors (technical) will be acceptable. However, even in this situation, a recommendation letter from his or her last academic institution is highly recommended. A recommendation from a faculty member in the Computer Science Electrical Engineering (CSEE) Department at UMKC must be provided if the student has taken courses from or worked with the CSEE faculty.

Statement of Goals and Objectives

The applicant must provide a 250- to 500-word essay on his or her goals and objectives of pursuing the Ph.D. in the chosen fields. This is an important document for reviewing the application. Applicants, therefore, are advised to provide a clear account of their academic achievements and plan for higher study.

Admission at an Advanced Level

An applicant who has already completed significant graduate coursework (15 or more semester hours of post-master's work or 30 or more hours of post-bachelor's work) toward a Ph.D. at another institution must provide reasons for changing institutions. The applicant must also provide a letter of endorsement from a computer science doctoral faculty member indicating willingness to be the student's research adviser.

Alternate Admission Criteria

The applicant may have received a bachelor's degree or a master's degree in computer science, computer engineering, electrical engineering or electronics, or any other related field with substantial training in mathematics. An applicant not meeting the minimum admission requirements, or not having sufficient academic preparation (stated below under prerequisite knowledge) for advanced work in the chosen coordinating discipline(s), may be considered for provisional admission by the CSEE Department Ph.D. committee if the committee sees high potential and preparation for advanced work from the rest of the applicant's credentials. Evidence of high potential might be pertinent work experience, published papers or extremely high achievement in related areas. In any case, the required GPA (or GPAs) must be at least 3.0 and the coursework deficiencies for doctoral study in computer science must not be more than 18 semester hours. Applicants with an established research or publication record in a quantitative science are encouraged to apply.

Qualifying Requirements for Full Admission

Prerequisite Knowledge

It is expected that a Ph.D. applicant selecting Computer Science as the coordinating discipline have the level of preparation represented by the following courses. An applicant with only a B.S. degree in computer science must have at least a GPA of 3.25/4.0 and an applicant with at least a year of graduate work must have at least a GPA of 3.5/4.0 before attempting advanced study.

- Computer Science: CS 291, CS 352, CS 431, CS 451, CS 470, CS 481.
- Mathematics: MATH 300.

Length of Time to Complete Qualifying Requirements:

When a student is admitted provisionally, the CSEE Ph.D. Committee will specify, and the UMKC Interdisciplinary Executive Committee will confirm, the conditions and length of time available to satisfy them to achieve full admission status.

Suggested Compatible Co-disciplines

Telecommunications and computer networking, electrical and computer engineering, mathematics, physics, chemistry (computational focus), engineering (civil and mechanical focus), cell biology and biophysics, molecular biology and biochemistry, oral biology, pharmaceutical sciences, pharmacology, geosciences and economics. A co-discipline outside of this list may be considered in exceptional cases.

Core Program Requirements

The amount of work required for the Ph.D. depends on the student's level of preparation. For example, a student entering the Ph.D. program after earning a bachelor's degree may expect to do significantly more work compared to the student who enters after earning a master's degree.

Qualifying and Comprehensive Examination Guidelines

The Qualifying Exam is administered by the CSEE Division's Ph.D. committee. The test questions are from a set of fundamental courses (up to 400 level) in Computer Science.

The Comprehensive Exam is administered by the doctoral committee of the candidate. A student can either take a written test or opt for an oral presentation covering both coordinating and co-discipline areas. Discussion with and agreement from the student's doctoral committee is required before choosing the desired option.

The candidates should contact the CSEE Division office and the chair of their doctoral committee for additional information.

Computer Science as a Co-Discipline

A Ph.D. student selecting Computer Science as co-discipline is expected to have the level of preparation represented by the following courses before attempting advanced study:

- CS 352, CS 451, CS 470, Mathematics: (Full Calculus Series: Math 210- Calculus I, Math 220- Calculus II, Math 250- Calculus III.

The student may obtain information on qualifying and comprehensive exam requirements from the discipline coordinator.

Financial Aid

Various forms of financial aid (such as graduate research assistantships, graduate teaching assistantships, graduate fellowships) are available through the Computer Science Electrical Engineering Department and the School of Graduate Studies. Note that a GTA can only be awarded to a student after the student has successfully demonstrated his or her teaching potential to a committee and has successfully passed the English language test. Contact the discipline coordinator for more information.

CURRICULUM AND INSTRUCTION

Discipline Coordinator

Arthur Louis Odom, (816) 235-**2468**, alodom@umkc.edu

Doctoral Faculty Participation

Susan Adler
Rita Barger
Malcolm E. Linville, Jr.
Arthur Louis Odom
Donna Russell
Omiunota Ukpokodu
Sue Vartuli

Curriculum and Instruction is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Applicants who designate curriculum and instruction as their coordinating unit will be expected to have a grade-point average of at least 2.75 (on a 4.0 scale), covering all college work taken prior to the bachelor's degree, or a GPA of at least 3.5, covering all post-baccalaureate work completed to date.

If the discipline is selected as the coordinating unit and the dissertation research will have a primary orientation in curriculum and instruction, the student must obtain the agreement of a member of the doctoral faculty in curriculum and instruction to serve as research adviser before the student can be admitted.

The applicant must provide the following supplementary documentation:

1. Written recommendations from appropriate professors and practitioners in the field (selected by student).
2. An autobiographical sketch (a brief resume of academic and professional goals and the applicant's personal, academic and career history as it relates to stated objectives).
3. Evidence of graduate-level writing ability provided by writing samples or the successful completion of an essay examination.

In addition, an applicant, the applicant's adviser or any member of the division may request that the applicant meet with and be interviewed by the division faculty.

Alternate Admission Criteria

An applicant whose admissions profile does not satisfy the Ph.D. general criteria but whose aggregate GRE score on all three sections is at least 1300 may be considered for recommendation for admission with curriculum and instruction as either the coordinating-unit discipline or as a co-discipline. In addition to written recommendations, an autobiographical sketch, writing samples and written agreement from a curriculum and instruction doctoral faculty member to serve on the applicant's supervisory committee, an applicant wishing to be considered under alternate admission criteria must submit a letter stating why he or she feels his or her credentials are equal to the 1500 aggregate GRE criterion.

Provisional Admission Criteria

Applicants with aggregate GRE scores below 1300 may be considered for admission on a provisional basis. Provisional acceptance criteria for doctoral study with curriculum and instruction as the coordinating-unit discipline include:

1. A GPA that meets the general guidelines for the program.
2. A strong endorsement of a doctoral faculty member in curriculum and instruction who can assure the faculty that at least one other curriculum and instruction doctoral faculty member will serve on the student's supervisory committee.
3. Submission of a writing sample of choice.
4. Letters of reference.
5. A persuasive letter from the student.

Doctoral faculty in curriculum and instruction are limited to no more than two provisional doctoral students at a time.

Provisional acceptance criteria for doctoral study with curriculum and instruction as the co-discipline include: a) a GPA that meets the general guidelines for the program, b) a separate letter of justification from a doctoral faculty member in curriculum and instruction and c) a writing sample of choice. A suggested limitation is one provisional student with curriculum and instruction as a co-discipline per doctoral faculty member.

Additionally, all students so accepted, whether with curriculum and instruction as the coordinating-unit discipline or a co-discipline, must submit a plan of study to include 12 semester hours of coursework. The plan must be approved by the student's coordinating-unit discipline faculty adviser and, if curriculum and instruction is the co-discipline, the proposed co-disciplinary study adviser. Students would be expected to maintain a B or better GPA, at the 5500- or 5600-level courses. These courses need to be taken within a two-year time frame to maintain the provisional status. Once these, or other possible stated provisions, have been met, the provisional student automatically will be reclassified to doctoral student status in the discipline.

Qualifying Requirements for Full Admission

All students must have completed 12 hours of 5500- or 5600-level courses at UMKC with grades of B or better in each course to be eligible for full-admission status.

Students admitted under alternate or provisional criteria will be notified upon acceptance of any coursework deficiencies they must satisfy or other preparation they must undertake prior to full admission.

Suggested Compatible Co-disciplines

Urban leadership and policy studies in education, music education, chemistry, psychology, history, mathematics, physics and public affairs and administration.

Core Program Requirements

Ph.D. study in curriculum and instruction prepares students with diverse academic and professional backgrounds to meet equally diverse career and scholarly goals. Moreover, rather than being a homogeneous field with a relatively uniform approach to Ph.D. study, curriculum and instruction encompasses several separate specialized areas, each with its own requirements and expectations regarding doctoral work. Hence, students accepted for the Interdisciplinary Ph.D. program with curriculum and instruction as their co-discipline may have backgrounds in one of the educational fields represented in the School of Education, in one of the disciplines represented in the College of Arts and Sciences, or in a professional field such as criminology, computer science or law. Students accepted with curriculum and instruction as their coordinating-unit discipline would typically have prior academic training and experience in curriculum and instruction. Advisers would tend to be specialists in reading education, physical education, special education, educational psychology, mathematics education, science education or curriculum and instruction.

The doctoral student in curriculum and instruction may be preparing for teaching and research in higher education, for a curricular or supervisory position in a public school district or for work in a government agency, private foundation or an educational training role in business and industry. Consequently, a single set of minimum standards cannot possibly fit all Ph.D. programs for which curriculum and instruction is the coordinating or co-disciplinary unit. Instead, sensitivity to individual student needs and goals, as well as regard for the different approaches to doctoral study represented in the several fields within curriculum and instruction, require flexibility and diversity in program planning.

Within the context described, a minimum of 24 hours in curriculum and instruction is required of students with curriculum and instruction as their coordinating-unit discipline and a minimum of 12-15 hours in curriculum and instruction is expected of students selecting curriculum and instruction as their co-discipline. In no case will a program be drawn up or approved that contains only coursework previously completed. Additional requirements may be set by the student's doctoral supervisory committee on the basis of the individual's program goals, previous academic preparation and relevant prior experiences.

Comprehensive Examination Guidelines

The student may obtain discipline-specific information on comprehensive examination guidelines from his or her research adviser.

ECONOMICS

Discipline Coordinators
Advising: L. Randall Wray, (816) 235-**5687**, wrayr@umkc.edu
Admissions: Frederic Lee, (816) 235-**2543**, leefs@umkc.edu

Doctoral Faculty Participation

W. Robert Brazelton (E)
Peter J. Eaton
Matthew Forstater
John F. Henry
L. Kenneth Hubbell (E)
Stephanie Kelton
Jan A. Kregel
Frederic S. Lee
Erik Olsen
James I. Sturgeon
Karen Vorst
John O. Ward (E)
L. Randall Wray

Economics is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

In addition to the general criteria for admission, the criteria for admission to the Interdisciplinary Ph.D. program in economics are:

1. A combined score of at least 1,000 on the verbal and quantitative and at least a 4.0 on the analytical portions of the general Graduate Record Examination.
2. A grade-point average of at least 3.0 (on a 4.0 scale) covering all college work taken prior to the bachelor's degree, or a grade-point average of at least 3.0 (on a 4.0 scale) covering all post-baccalaureate work completed to date.
3. Recommendations for provisional or full admission by the doctoral faculty review group in at least two participating disciplines.
4. Applicants for whom English is not the native language and have studied less than two years (full time) in a U.S. academic program or a comparable program in an English-speaking country are required to obtain a TOEFL score of at least 550 on the paper-based test or 213 on the computer-based test. In addition, to qualify for **full admission** status, international students must achieve a score of at least 4.0 on the Test of Written English (TWE) portion of the TOEFL examination. Students admitted provisionally because of the TWE requirement may take a TWE equivalency test through UMKC's Applied Languge Institute once they arrive on campus.
5. Applicants must have at least 18 undergraduate semester credit hours in economics, including intermediate microeconomics and macroeconomics and a course in elementary statistics. In addition, it is strongly recommended that applicants have some of the following courses: econometrics, mathematical economics, history of economic thought, heterodox economics, economic history, calculus and linear algebra. Students with fewer than 18 credit hours will be admitted only on a provisional status.
6. Applicants matriculated into the M.A. economics program at UMKC may apply for admission to the Interdisciplinary Ph.D. program in economics as soon as they have completed 15 credit hours and have earned a grade-point average of 3.25 or better.
7. Applicants who wish to transfer to the UMKC Interdisciplinary Ph.D. program in economics from other institutions must have obtained a grade-point average of at least 3.0 covering all their graduate work. Transfer students must apply for transfer credits toward the Interdisciplinary Ph.D. as soon as possible after completion of a minimum of 12 credits at UMKC with a grade-point average of 3.0 or better. Up to 30 transfer credit hours may be granted. No transfer credit will be granted for any courses not relevant to the Interdisciplinary Ph.D. in Economics or for any course with a GPA of less than 3.0.

The deadline for receipt of completed applications and supporting documentation is Feb. 1 for the fall semester and Sept. 1 for the spring semester.

Alternate Admission Criteria

Applicants who do not fit the above criteria may petition the economics doctoral committee with evidence of scholarly publication, research and recommendations, but the decision rests with the committee.

Qualifying Requirements for Full Admission

At the time admission is offered, provisional students will be notified of any course deficiencies or qualifying requirements to be met for full admission. The faculty will make a decision with regard to full admission based upon the student's performance in meeting the qualifying requirements.

Suggested Compatible Co-disciplines

Curriculum and instruction, history, public affairs and administration, urban leadership and policy studies in education, and the Social Science Consortium.

Core Program Requirements

For students with this discipline as their coordinating unit

The Interdisciplinary Ph.D. in economics consists of a minimum of 18 required coursework credit hours in economics--including Economics 5506, 5551, 5601, 5602, 5625 and 5688or Social Science 5688. If the student has not taken the prerequisites to Economics 5601, 5602 and 5625, he/she will be required to take Economics 5501, 5502, 5521, and 5525--and additional 12 coursework credit hours (or, a total of 30 hours). All students are strongly urged to take two fields in economics, each consisting of two three-credit hour courses for a total of 12 additional coursework credit hours. These courses will be taken in economics and at least one additional field such as sociology, history, public administration, education, mathematics, political science, geosciences, computer science or others, provided that such fields participate in the doctoral program. Required Courses - 30 hours

- ECON 5501 Advanced Macro-Economic Analysis (prerequisite, ECON 301 Macroeconomic Analysis)
- ECON 5502 Advanced Macro-Economic Analysis (prerequisite, ECON 302)
- ECON 5506 Advanced History of Economic Thought (prerequisite, graduate standing)
- ECON 5521 Mathematical Economics (Calculus I strongly recommended)
- ECON 5525 Econometric Methods(prerequisite, ECON 425 Intermediate Economic Statistics)
- ECON 5551 Advanced History of Economic Thought (prerequisite, ECON 451 Institutional Economic theory and Interdisciplinary Ph.D. standing)
- ECON 5601 Advanced Institutional Theory (prerequisite, ECON 5501 Advanced Macro-Economic Analysis)
- ECON 5602 Colloquium in Advanced Microeconomics (prerequisite, ECON 5502 Advanced Micro-Economic Analysis)
- ECON 5625 Colloquium in Econometrics (prerequisite, ECON 5525 Econometric Methods)
- ECON 5688 Colloquium in Political Economy (prerequisite, ECON 5506 Advanced History of Economic Thought or ECON 5551 Advanced Institutional Theory)

- Coursework in an outside field or fields, depending upon the requirements of co-discipline regulations;
- Dissertation and oral examination, 12 hours.

For students with this discipline as a co-discipline

Those students taking economics as a co-discipline will take a minimum of 12 hours in economics, at the graduate level, including:

- ECON 5501 Advanced Macro-Economic Analysis (prerequisite, ECON 301 or equivalent)
- ECON 5502 Advanced Macro-Economic Analysis (prerequisite, ECON 302 or equivalent)

Comprehensive Examination Guidelines

Coordinating-discipline students are required to pass a qualifying examination in economics theory--micro, macro and political economy, and in quantitative methods. Students taking field concentrations must pass a comprehensive examination in those fields, or meet the requirement by an alternative means that is accepted by the department.

Co-discipline students must receive grades of "B" or better in ECON 5501 and ECON 5502. In addition, the oral portion of the comprehensive examination will require students to integrate knowledge between topics in economics and the student's coordinating unit.

ELECTRICAL AND COMPUTER ENGINEERING

Discipline Coordinator
Khosrow Sohraby, (816) 235-**2361**, sohrabyk@umkc.edu

Doctoral Faculty Participation

Cory Beard (D)
Deb Chatterjee (D)
Ghulam Chadhry
Reza Derakhshani (D)
Jerome Knopp
Khosrow Sohraby
Yu-Ping Wang (D)
Chuanjun Zhang

Electrical and Computer Engineering is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

A student who meets the minimum discipline requirements stated below will be considered for regular admission to the Ph.D. program. A student who does not meet some of the requirements but shows high potential for advanced-level work may be considered for provisional admission. Admission also depends on factors such as number of seats available, resources available in the area of student's interest, the quality of previous work, etc. A student not qualifying for admission to the Ph.D. program may be considered for admission to the M.S. computer science or electrical engineering program. Requirements for admission are similar whether the applicant is requesting electrical and computer engineering as the coordinating discipline or co-discipline.

Academic Preparation

The applicant must have a bachelor's degree and/or a master's degree in electrical and/or computer engineering, electronics, communications engineering or any other field requiring substantial training in at least one of the above fields and in mathematics with a GPA of 3.5 or better, cumulative as well as in the major field; and a GPA of 3.5 or better in all post-baccalaureate or post-master's degree work.

Aptitude for Advanced Work

The student must demonstrate an aptitude for advanced-level work through national/international standardized examinations such as the GRE. The expected performance level is the 85th percentile in the quantitative portion of the GRE examination.

Proficiency in English

The student must demonstrate his or her proficiency in oral and written communication in English through national/international standardized English examinations such as TOEFL, verbal portion of the GRE, etc. The expected proficiency level is the 50th percentile in the verbal portion of the GRE or a TOEFL score of 263 or above. UMKC students may also satisfy this requirement by obtaining an English Proficiency Certification from the English Department. (**Note:** As per University policy, all international students are tested for proficiency in English upon arrival on campus, irrespective of their scores in TOEFL or verbal portion of GRE, or any other test. A student's adviser may also require the student to take the above test, irrespective of the student's native language. As a result of this test, the student may be required to improve his or her oral and written communication in English before enrollment in the courses of the chosen disciplines.)

Recommendations

The student must provide at least three recommendation letters from the professors from his or her previous institution(s). If the applicant has been out of school for several years, recommendation letters from his or her supervisors (technical) will be acceptable. However, even in this situation, a recommendation letter from his or her last academic institution is highly recommended. A recommendation from a faculty member in the Computer Science Electrical Engineering (CSEE) Department at UMKC must be provided if the student has taken courses from or worked with the CSEE faculty.

Statement of Goals and Objectives

The applicant must provide a 250- to 500-word essay on his or her goals and objectives of pursuing the Ph.D. in the chosen fields.

Admission at an Advanced Level

An applicant who has already completed significant graduate coursework (15 or more semester hours of the post-master's work or 30 or more hours of the post-bachelor's work) toward a Ph.D. at another institution must provide reasons for changing institutions. The applicant must also provide a letter of endorsement from a doctoral faculty member in electrical and computer engineering indicating willingness to be the student's research adviser.

Alternate Admission Criteria

The applicant may have received a bachelor's degree or a master's degree in computer science, computer engineering, electrical engineering or electronics, or any other related field with substantial training in mathematics. An applicant not meeting the minimum admission requirements, or not having sufficient academic preparation (stated below under prerequisite knowledge) for advanced work in the chosen discipline(s), may be considered for provisional admission by the CSEE Department's Ph.D. committee if the committee sees high potential for advanced work from the rest of the applicant's credentials. Evidence of high potential might be pertinent work experience, published papers or extremely high achievement in related areas. In any case, the required GPA (or GPAs) must be at least 3.0 and the coursework deficiencies in software architecture must not be more than 18 semester hours. Applicants with an established research or publication record in a quantitative science are encouraged to apply to this discipline.

Qualifying Requirements for Full Admission

Prerequisite Knowledge

A Ph.D. student selecting electrical and computer engineering as the coordinating discipline is expected to have the level of preparation represented by a four-year undergraduate degree in electrical/computer engineering.

A student not having an undergraduate degree in electrical/computer engineering may be admitted provisionally if the admission committee determines that the student has a strong aptitude for research and is willing to take prerequisite courses as determined by the admission committee based on the student's academic record.

Suggested Compatible Co-disciplines

computer science, telecommunication and computer networking, mathematics, physics and engineering (civil and mechanical focus). A co-discipline outside of this list may be considered only in exceptional cases.

Core Program Requirements

The amount of work required for the Ph.D. depends on the student's level of preparation. For example, a student entering the Ph.D. program after earning a bachelor's degree may expect to do significantly more work compared to a student who enters after earning a master's degree.

Qualifying and Comprehensive Examination Guidelines

The Qualifying Exam is a written test administered by the CSEE Department's Ph.D. committee. The test questions are from a set of fundamental courses in electrical and computer engineering.

The Comprehensive Exam is administered by the doctoral committee of the candidate. A student can either take a written test or opt for an oral presentation covering both

coordinating and co-discipline areas. Discussion with and agreement from the student's doctoral committee is required before choosing the best option. Candidates should contact the CSEE Department's office and the chair of their doctoral committee for more information.

Electrical and Computer Engineering as a Co-Discipline

The student who chooses electrical and computer engineering as a co-discipline may obtain information on qualifying exam and comprehensive exam requirements from the discipline coordinator.

Financial Aid

Various forms of financial aids (such as graduate research assistantships, graduate teaching assistantships, graduate fellowships) are available through the Computer Science and Electrical Engineering Department and the School of Graduate Studies. Contact the discipline coordinator for more information.

ENGINEERING

Discipline Coordinator
Anil Misra, (816) 235-**1285**, misraa@umkc.edu

Doctoral Faculty Participation

Bryan R. Becker
Deb Chatterjee
Ghulam Chaudhry
Jerome Knopp
Anil Misra
Deborah O'Bannon
Jerry R. Richardson

Engineering is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

A student who satisfies the general requirements for admission and also meets the minimum discipline requirements stated below will be considered for regular admission to the Ph.D. program with engineering as a discipline. A student who does not meet some of the requirements but shows high potential for advanced-level work may be considered for provisional admission. Admission also depends on factors such as number of seats available, resources available in the area of the student's interest, the quality of previous work, etc. Requirements for admission are the same whether the applicant is requesting engineering as the coordinating-unit discipline or co-discipline.

1. The applicant must have a bachelor's degree or a master's degree in civil, electrical or mechanical engineering or related disciplines with a grade-point average of at least 3.0 in the last 60 hours of undergraduate engineering coursework. In addition, a GPA of 3.5 or better in all post-baccalaureate coursework is required. Pre-program requirements may be specified in case the bachelor's degree is in a discipline different than that to which the candidate is applying.
2. The student must demonstrate an aptitude for advanced-level work by obtaining a cumulative GRE score of at least 1600 (verbal + quantitative + analytical) and by ranking at least in the 85th percentile on the quantitative portion of the examination.
3. TOEFL scores are required for international students without prior U.S. degrees. There are two TOEFL tests. One is paper-based; one is computer-based. A minimum score of 550 on the paper-based test (which corresponds to 213 on the computer-based test) is required.
4. The student must provide at least three recommendation letters from professors at previous institutions or mentors at work.
5. The applicant must provide a 500- to 750-word essay on his or her goals and objectives in pursuing the Ph.D. in the chosen fields.
6. Provisional admission may be granted if the minimum GPA and GRE requirements are not met, but other indicators promise the student's success in the program. To be fully admitted to the Interdisciplinary Ph.D. program, the provisionally admitted student must obtain a grade of B or better in the first nine hours of coursework and submit a satisfactory GRE score within their first year of the program.

Suggested Compatible Co-disciplines

Possible co-disciplines include but are not restricted to chemistry, computer science, electrical and computer engineering, geosciences, history, mathematics, molecular biology and biochemistry, oral biologyphysics and telecommunication and computer networking.

Core Program Requirements

Engineering as Coordinating Discipline

A minimum of 60 credit hours of approved graduate coursework (300-level or higher) beyond the baccalaureate, including dissertation research hours (CE 5699, ECE 5699 or ME 5699), are required. Of these, at least two-thirds must be at 5500/5600-level. The graduate coursework may include courses taken at UMKC or other institutions and approved for transfer by the student's supervisory committee. A minimum of 12 credit hours of dissertation research (CE 5699, EE 5699 or ME 5699) is required.

Example Minimum Requirements Beyond Master of Science Degree

	Hours
Coordinating discipline (Engineering)	9
Co-discipline (e.g. Mathematics or Physics)	12
Dissertation research	12
Total beyond M.S. degree (typically 30 hours)	33

Engineering as Co-discipline

A student electing engineering as co-discipline will be required to complete 12 credit hours in engineering graduate courses, of which at least six hours must be at the 5500/5600-level.

Comprehensive Examination Guidelines

To advance to degree candidacy, an Interdisciplinary Ph.D. student is required to pass a comprehensive examination administered by the student's research adviser and supervisory committee. This comprehensive exam will consist of two parts. Part One will be a written exam over the student's Ph.D. coursework. Part Two will be an oral defense of the student's dissertation research proposal.

ENGLISH

Discipline Coordinator
Jennifer Phegley, (816) 235-**5973**, phegleyj@umkc.edu

Doctoral Faculty Participation

John Barton
Daniel Mahala

Virginia Blanton (D)
Joan Dean
Stephen Dilks
Jane Greer
Jennifer Phegley
Michael Pritchett
Thomas Stroik

English is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

For new students selecting English as a discipline, admission will normally be for the fall term. Application dossiers must be complete by Jan. 15.

Applicants who select English as their coordinating-unit discipline will be expected to have the M.A. in English or equivalent coursework as determined by the English department doctoral committee. Applicants who select English as a co-discipline should have completed a master's degree or equivalent coursework. In most cases, students will be expected to have completed, with a grade of B or better, 12 hours of English courses at the 300- or 400-level (or appropriate equivalents) that are approved by the English department doctoral committee.

An applicant who plans to pursue a degree with English as a discipline is required to provide the English department doctoral committee with the names of three individuals who are academically or professionally qualified to assess the applicant's ability to pursue doctoral work. References submitted to the School of Graduate Studies for admission to doctoral studies may be judged by the English department doctoral committee as sufficient evaluation, but the department reserves the right to request further information.

Applicants also are required to submit samples of written work to the English department doctoral committee. The applicant's narrative statement, submitted with the application form, should provide a well-focused justification of the proposed course of study that is compatible with the department's resources. Applicants should consult with the English department principal doctoral adviser for advice on the preparation of the narrative. Applicants may also seek advice on the narrative from doctoral committee members with special expertise in the applicant's chosen fields of study.

Applications will be evaluated by a committee of the doctoral faculty in the English department; the committee will recommend to the department chair and dean of the School of Graduate Studies whether the applicant should be admitted. These English-specific requirements apply to all applicants intending to have English as coordinating-unit discipline or co-discipline.

Students who expect to write a dissertation that draws primarily on research in English must apply for English as their coordinating-unit discipline.

In cases where an applicant has not yet met the foreign language requirement or GRE scores are still pending, provisional admission may be recommended.

Alternate Admission Criteria

The department's required GRE score is independent of, and takes precedence over, the School of Graduate Studies' minimum of 1500 points.

Qualifying Requirements for Full Admission

Requirements for full admission are based on level of participation in the discipline. Full admission to English as coordinating discipline is dependent on the applicant's meeting three requirements: appropriate coursework, satisfactory GRE scores and relevant foreign language skills. Full admission to English as a co-discipline is dependent on the applicant meeting two requirements: appropriate coursework and relevant foreign language skills.

English as Coordinating-unit Discipline

GRE scores

Either (1) a general verbal score in the 60th percentile or better; or (2) a score in the 60th percentile or better in the English subject examination.

Relevant Foreign Language Skills

Applicants must demonstrate facility in a foreign language relevant to study in English. The language requirement will ordinarily be met by two years of satisfactory college-level language study. Students may be required to demonstrate additional language skills to undertake or complete their dissertations.

English as a Co-discipline

GRE scores

A general verbal score in the 60th percentile or better.

Foreign Language Skills

Demonstrate foreign language competence in the same manner as students with English as the coordinating-unit discipline.

Suggested Compatible Co-disciplines

Curriculum and instruction, religious studies, history, psychology and sociology.

Core Program Requirements

All students who list English as a discipline, whether as coordinating-unit discipline or co-discipline, are required to take English 5500, Introduction to Graduate Study in English or its equivalent.

Students admitted with English as the coordinating-unit discipline are subject to the following requirements:

- Only English courses numbered 400 or above will be accepted for the Ph.D. degree. Courses taken in other disciplines may be taken at the 300-level or above.
- No grade below B in any course will be accepted to apply toward the Ph.D. degree.
- In most cases, no more than one-third of coursework in English, exclusive of credit for dissertation work, that is classified as independent study will be accepted for the Ph.D. degree.
- Students will be expected to complete the majority of their coursework at UMKC.
- In certain cases, exceptions to these requirements may be allowed.

Other Discipline-Specific Special Requirements

For foreign language requirement, see "Qualifying Requirements for Full Admission" for this discipline.

Dissertation

Dissertations written where English is the dominant component must be submitted through the student's supervisory committee to an appropriately qualified reader at another university, selected by the committee, in sufficient time for that expert to return a written evaluation of the dissertation for consideration by the supervisory committee before the dissertation defense. The dissertation should, in most cases, be written using *The MLA Style Manual*.

Comprehensive Examination Guidelines

Before advancing to Ph.D. candidacy, students whose coordinating discipline is English will take three examinations: a written general examination, an oral interdisciplinary subject examination and a co-disciplinary examination. The examinations must be taken within a year of completing coursework. Prior to taking exams, students must have an assigned supervisory committee, an approved plan of study on file with the School of Graduate Studies and completed all required coursework. See Comprehensive Examination guidelines from the School of Graduate Studies for full details.

The general examination is a sihour exam, written in two three-hour sittings. This exam is administered by the English faculty on the supervisory committee, led by the chair of the committee. The subject examination is a two-hour oral interdisciplinary exam that is administered by the entire supervisory committee, led by the chair of the committee. The co-disciplinary exam will be administered by the co-disciplinary faculty on the supervisory committee.

Exam areas shall be designated at the time of the submission of the program of study. These may be changed only with the consent of the entire supervisory committee. Exam questions shall not be distributed in advance for either the general or subject examination. At least six months before the student plans to take his or her exams, the student shall notify committee memers of his or her choice of areas/periods and submit a tentative reading list of primary and critical works for all examinations. The supervisory committee shall then meet to approve the areas and review the proposed reading list and address any oversights or imbalances.

The general examination consists of two parts, each covered in a three-hour sitting and each receiving equal weight. The examination is designed to test the breadth of the candidate's knowledge in the fields in question. The student will choose two areas in which he or she wishes to be examined, whether periods of literary history (e.g., British 19th century, American literature from 1865, British and American literature since 1945) or other areas of expertise (e.g., linguistics, history of the language, rhetoric, genre studies, literacy studies). The reading list, which is subject to the approval of the supervisory committee, should consist of works from the selected periods or areas of expertise which have achieved broad recognition or influence.

For the oral interdisciplinary subject examination, the student will prepare in advance, in the period specified above, a tentative reading list on the subject of the proposed dissertation for approval or revision by the supervisory committee. The subject examination will deal with current scholarship and methodology as well as with primary sources and other standard works in the field. The exam will be administered in a single two-hour sitting.

For students whose co-discipline is English, a single three-hour written examination will be designed in consultation with the coordinating discipline.

ENTREPRENEURSHIP

Discipline Coordinator

Michael Song, (816) 235-**5841**, songmi@umkc.edu

Doctoral Faculty Participation

Raj Arora (D)
Lee Bolman (D)
Qing Cao (D)
Stephen DeLurgio (D)
David Donnelly (D)
Homer Erekson (D)
Karyl Leggio (D)
Mark Parry
Roger Pick (D)
Stephen Pruitt (D)
Joseph Singer (D)
Michael Song (D)
Sidne Ward (D)

Entrepreneurship and Innovation is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Program Intent

The Ph.D. program in Entrepreneurship and Innovation is designed to train and develop research and teaching scholars in entrepreneurship and innovation. The Institute for Entrepreneurship and Innovation (IEI) has established a research agenda that focuses on the ways in which entrepreneurs develop, lead and transform today's dynamic global businesses. Specifically, the Institute is assessing the values and risks of emerging technologies and investigating effective techniques for market opportunity analysis and the identification of new ventures in high-tech industries. In addition, the Institute is examining the success and failure factors of high-tech start-up firms, as well as the links between entrepreneurship, government policy, innovation, economic development and global competitiveness.

Discipline-Specific Admission Requirements

In order to ensure a good fit between doctoral students' goals and departmental expertise, we admit students only if a doctoral faculty member at IEI has agreed to serve as a mentor for the first year to assist each student in constructing a program of study. Ordinarily we expect prospective students to hold an undergraduate or master's degree in business administration, entrepreneurship, marketing, mathematics, economics, statistics, engineering or science. Students are expected to have completed a master's level intermediate statistical analysis course prior to enrolling in the program. All students must submit an application to the IPh.D. Program and to the Institute for Entrepreneurship and Innovation. The student must complete the IPh.D. application and prepare a formal written statement outlining his or her interests in and preparation for the program. To enter the entrepreneurship program, the applicant is expected to have an overall GPA of at least 3.3 on all quantitative course work. Applicants should pay particular attention to the narrative statement that accompanies their application. The IEI doctoral faculty gives substantial weight to this statement. It should provide a clear description of the applicant's intellectual interests, how those interests evolved and should describe the research direction(s) that the applicant intends to pursue. Admission decisions are also influenced by the availability of faculty, the number of students already in the program and the availability of financial support in each major area of specialization. For a student to be admitted to the program, there must be a faculty member who is willing to serve as a mentor for the first year to assist each student in constructing a course of study.

Suggested Compatible Co-disciplines

Suitable co-disciplines for the UMKC Interdisciplinary Ph.D. program are practically unlimited and consultation with individual faculty members would be the ideal way for the student to explore the possibilities. Chemistry, oral biology, engineering, computer networking, biophysics, biochemistry, molecular biology, pharmacology, telecommunications networking, computer science, physics, geosciences, economics, software architecture, public administration.

Program Requirements

Students who select entrepreneurship and innovation as their coordinating discipline must complete 12 credit hours of coursework in entrepreneurship theory and 12 credit hours in research methods. On an exceptional basis, up to six hours of research coursework can be replaced by prior coursework or other related classes after recommendation by the student's adviser and approval by the program director. In addition, students must select 16 credit hours in electives from classes offered by their co-discipline or other departments. Students in the entrepreneurship program will take nine to 12 hours of coursework a semester for the first two years and three to six hours of coursework a semester for the third year while working as research assistants for designated faculty. The fourth year will be devoted to graduate research assistance and the dissertation. Upon completion of the coursework, students are expected to successfully complete a written examination in entrepreneurship. During the doctoral program, students are also required to participate in the Teaching Effectiveness Training program and teach two courses. In addition, each student must complete at least one academic paper per year that will be submitted to a national research conference (by the end of the first year) or to top refereed academic journals. These research papers could be part of the student's dissertation with approval of the dissertation committee.

Core Program Requirements

Theory

- ENT 5691 Doctoral Seminar in Theoretical Foundations of Entrepreneurship I
- ENT 5692 Doctoral Seminar in Theoretical Foundations of Entrepreneurship II
- ENT 5693 Doctoral Seminar in Technology, Innovation, and Entrepreneurship

- ENT 5694 Doctoral Seminar in Theories of the Firm and Strategy

Research Methods

- BDS 5548 Multivariate Statistical Analysis I
- ENT 5681 Multivariate Statistical Analysis II
- ENT 5682 Structural Equation Modeling
- ENT 5683 Mathematical Models for Entrepreneurship

Requirements for Entrepreneurship as a Co-discipline

Students who select entrepreneurship as a co-discipline must complete four doctoral seminars (12 credits) in Entrepreneurship Theory. Specific classes must be approved by the program director.

Other Discipline-Specific Special Requirements

A faculty supervisory committee is appointed by the program director at the end of the first year to assist each student in constructing a program of study that fits that individual's background and interests. Students select one major area of specialization and complete requirements in an additional minor area that supports their major area of specialization. Throughout the program, doctoral students receive support and training that hone their skills as researchers, teachers and course developers. Any deviations from the program requirements must be recommended by the supervisory committee and must be approved by the program director.

Research paper

Each student must complete at least one academic paper per year. The first-year paper must be submitted to a national research conference by the end of the first year of the program. All other papers must be submitted to top refereed academic journals. Each student must have at least one "revise/resubmit" academic paper before graduating from the program. These research papers could be part of the student's dissertation with approval of the dissertation committee. Failure to meet these research and publication requirements will result in the student being placed on probation or being dismissed from the program. Faculty will set a deadline by which doctoral students must complete an independent research paper and present their findings in a research workshop. The research project is supervised by a faculty adviser on a topic selected by the student and approved by the faculty adviser.

Comprehensive Examination and Admission to Candidacy

To be eligible to apply for candidacy, students must maintain an overall GPA of at least 3.3. Admission to candidacy is a formal University process signifying that a student has completed specific degree requirements and that the faculty expects that the student will successfully complete the degree program. Students are admitted to candidacy upon completion of the comprehensive examination in entrepreneurship. The supervisory committee administers this oral test after all area requirements are completed. In most cases, the comprehensive examination is a defense of the student's dissertation proposal.

Dissertation

After earning candidacy, students must successfully complete a dissertation that demonstrates their ability to identify a significant research question or problem in entrepreneurship and apply appropriate research techniques to its resolution. The dissertation must be an original and independent piece of work. Dissertations are supervised by a five-member reading committee. After the dissertation has been written to the satisfaction of the reading committee, the student defends his or her dissertation research in a final oral examination by program faculty.

In-Residence Study

A doctoral student must spend at least three years of in-residence study beyond the baccalaureate degree, at least two of which must be in full-time continuous residence at UMKC. Experience has shown that the probability of successful completion of the program diminishes substantially unless the student is committed to full-time, in-residence work until all requirements are fulfilled. Prospective students should plan on full-time studies, including the summer semester, from the time of enrollment until the completion of the dissertation.

Teaching Effectiveness Training

Each year the academic market places increasing weight on teaching skills. Many business schools, in fact, now require teaching presentations of all prospective faculty. All first-year students are required to participate in the Teaching Effectiveness Training Program. The program begins with intensive training during the Fall Semester with the Teaching Effectiveness Seminar. Weekly sessions address crucial issues in teaching and course development in preparation for the student's teaching assignment spring semester. Students will observe other instructors, including someone teaching their spring course assignment, draft a syllabus, and receive feedback on a microteaching session. Teaching assistants assigned to teach core courses will receive additional guidance from faculty course coordinators.

During the doctoral program, students will be required to teach two courses. They will receive feedback from peer classroom observations and an opportunity to share experiences and ideas informally at lunch gatherings of teaching assistants. Students are expected to put together formal teaching presentations that aid them both in the interview process and in the transition to full-time, tenure-track faculty.

Application Review Process and Timetable

Applications for admission and financial aid must be complete, including all supporting materials, by March 1 of each year. Applicants should take the GMAT or GRE in January or earlier because scores from later examinations will not arrive by the admissions deadline.

GEOSCIENCES

Discipline Coordinator

James Murowchick, (816) 235-**2979**, murowchickj@umkc.edu

Doctoral Faculty Participation

Jimmy Adegoke
Raymond M. Coveney, Jr.
Caroline P. Davies
Steven L. Driever
James Durig (D)
Richard J. Gentile (E)
Syed E. Hasan
Daniel P. Hopkins
Jejung Lee
Wei Ji
Tina Niemi

Geosciences is a discipline in the Interdisciplinary Ph.D. program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Specific admission requirements defined by the faculty of the Department of Geosciences follow the guidelines established by the School of Graduate Studies. Typically, a student would be expected to hold an undergraduate or master's degree in geology, geography or a closely related field. Opportunities within the department range from the physical sciences to the humanities. Because of the wide range of faculty expertise, and in keeping with the general spirit of the entire interdisciplinary program, the faculty of the Department of Geosciences has deliberately chosen to establish broad guidelines for admission of Interdisciplinary Ph.D. students. All prospective graduate students must

attain a GPA of 3.0 or above, on a 4.0 grading scale, in all university work prior to admission. Three letters of recommendation from professors as well as a proposal from the prospective student detailing goals and expectations are needed for an evaluation of the application.

Non-native English-speaking applicants seeking geosciences as a coordinating discipline must demonstrate proficiency in English. This requirement can be satisfied by obtaining English proficiency certification from the UMKC English Department.

Suggested Compatible Co-disciplines

Faculty members in the Department of Geosciences conduct research in applied geophysics, engineering and environmental geology, stratigraphy, geochemistry, GIS, mineral deposits, neotectonics, geoarcheology, geomorphology, Quaternary environments, cultural and historical geography (Europe, Latin America, the Caribbean and West Africa) and historical cartography. Suitable co-disciplines for the Interdisciplinary Ph.D. program are practically unlimited (see www.iml.umkc.edu/geo for possibilities). Consultation with the principal graduate advisers for geology and geography would be a good way for the student to explore the possibilities. Previous and existing geology students have designated co-disciplines of chemistry, curriculum and instruction and physics. Previous geography Ph.D. students have designated curriculum and instruction as a co-discipline. Other excellent possibilities would include political science, economics, history and sociology.

Core Program Requirements

Specific core program requirements follow the guidelines established by the School of Graduate Studies and are otherwise defined by the student's supervisory committee in consultation with each individual student.

Other Discipline-Specific Special Requirements

While there is no set minimum number of hours for all students, at least 50 percent of the course credit hours for students who select geosciences as their coordinating unit must be taken in the Department of Geosciences. Students who have selected geosciences as a coordinating unit or a co-discipline are expected to take no less then three courses from the Department of Geosciences as determined by their supervisory committee. Other special requirements are defined by the student's supervisory committee in individual consultation with each student. All geosciences students (coordinating or co-discipline) are expected to successfully complete a qualifying examination in their subject area, devised by departmental faculty, by the end of their first two semesters of residency.

Comprehensive Examination Guidelines

Comprehensive examinations of all Ph.D. students who select the Department of Geosciences as the coordinating unit will contain both written and oral components and may include questions from each of the co-disciplines and from related fields as determined by the student's examining committee. The committee consists of the student's supervisory committee and others who may be appointed by the dean of the School of Graduate Studies.

Interdisciplinary Work

The faculty of the Department of Geosciences are committed to an interdisciplinary approach and expect that all Ph.D. students, whether enrolled in the coordinating or the co-disciplinary category, will complete courses and conduct research with this principle in mind.

HISTORY

Discipline Coordinator
Carla Klausner, (816) 235-**2540**, klausnerc@umkc.edu

Doctoral Faculty Participation

Andrew Bergerson
Miriam Forman-Brunell
Vivana Grieco
John Herron
Carla Klausner (D)
Lawrence Larsen (E)
Dennis Merrill
Diane Mutti-Burke
Lynda S. Payne
Patrick A. Peebles
Louis W. Potts
Frederick Spletstoser (A)
William Worley (A)
Shona Kelly Wray
Mary Ann Wynkoop (A)

History is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Except in unusual circumstances, students who select history as a discipline must begin their work during the fall term. Applications must be received by the School of Graduate Studies no later than Feb. 15. The doctoral faculty of the Department of History will review applications and make their recommendations for admission by the end of March. Applications that are incomplete as of Feb. 15, and completed applications submitted after this deadline, may not be considered until the following year.

Applicants who choose history as their coordinating discipline, or applicants whose coursework in history will comprise at least 50 percent of the Ph.D. plan of study, must meet the criteria for admission specified by the School of Graduate Studies. In addition, they must:

1. Possess a master's degree in history or its equivalent.
2. Have earned a GPA of 3.5 in graduate courses.

Students who choose history as a co-discipline and whose coursework in history will constitute less than 50 percent of the Ph.D. plan of study must meet the criteria for admission specified by the School of Graduate Studies. In addition, they must fulfill other entrance requirements specified by the doctoral faculty of the Department of History. These requirements are established on an individual basis.

All applicants for admission must submit:

1. A sample of written work.
2. A brief statement of academic and professional goals.
3. A 1,000-word essay that specifies a dissertation topic, demonstrates its interdisciplinary nature and shows how historical methods and approaches would be utilized.
4. A signed mentorship form. Coordinating discipline students must have a statement of support from at least ***two*** members of the department willing to serve on the student's supervisory comittee. Co-discipline students must have a statement of support from at least ***one*** member of the department willing to serve on the supervisory committee

Applicants who do not meet the requirements specified above may be granted provisional admission by the doctoral faculty of the Department of History. An applicant admitted provisionally receives notification of deficiencies and of the conditions which must be met before the doctoral faculty will again consider an applicant for full admission.

The doctoral faculty of the Department of History, in consultation with the history faculty as a whole, makes recommendations to the dean of the School of Graduate Studies on each application for admission. These recommendations reflect the majority vote of the doctoral faculty.

Applicants are advised that meeting the criteria of the School of Graduate Studies and the Department of History does not automatically result in admission to the Interdisciplinary Ph.D. program. When making recommendations to the School of Graduate Studies, the history faculty considers other factors as well, particularly the availability of faculty qualified to work in the applicant's area of interest and the availability of library resources and research materials.

Alternate Admission Criteria

In exceptional cases, candidates who do not meet either the School of Graduate Studies' or the history department's minimum requirements for admission may be admitted under alternate criteria. The doctoral faculty of the department have adopted the following alternate criteria, one or more of which will be used to assess the applicant's ability: satisfactory performance in 5500- or above-level classes taken in the department's master's degree program; positive, written recommendations of our faculty willing to work with the applicant who have evaluated his/her previous work; satisfactory completion of specified courses in the department before consideration or reconsideration of a candidate's application; and publications or comparable professional achievements related to the study of history.

The Plan of Study

If full admission is granted, the student who chooses history as a discipline must satisfy the residency requirements of the School of Graduate Studies, and must fulfill the course requirements of the Ph.D. plan of study as prepared by the student and his/her adviser(s) and approved by the Interdisciplinary Ph.D. Executive Committee.

A student whose coordinating discipline is history will be required to list at least 18 hours of gradute-level history courses (exclusive of dissertation credits) on the plan of study. These will include: three hours of History 5680; three hours of History 5687; six hours minimum of History 5697 (or at least one independent readings course with each member of the department on the Supervisory Committee); three hours of History 5581 if this course or its equivalent has not been taken before; and the remainder of the program in courses numbered 5500 or above. Coursework should be fashioned to prepare the student for the Comprehensive Examintion (see below). Thus the student should identify a general field of historical study, a specific field relevant to the dissertation topic, and seek through History 5680 and other courses to attain a general comprehension of hitorical analysis and methodology.

Students for whom history is a co-discipline will be required to take, at the minimum, the five core courses of the department's M.A. program (History 5581--Research Methodology; two research seminars--History 5587R; and two graduate colloquia), as well as History 5680 (Doctoral Colloquium).

In exceptional or unusual circumstances, some of these hours may be waived upon petition to the student's supervisory committee.

Any student who switches disciplines in the course of his or her graduate career, either adding history as the coordinating or co-discipline, or changing history from the co-discipline to the coordinating discipline, must fulfill all of the requisite doctoral requirements in history for that level (e.g., number of course hours, distribution requirements, exams).

Suggested Compatible Co-disciplines

English, geosciences, political science, public affairs and administration, psychology, curriculum and instruction, economics, sociology, urban leadership and policy studies in education.

Comprehensive Examination

The history department requires that the comprehensive examination of a student listing history as a discipline include both a written and an oral component. The history members of the supervisory committee will determine the structure and duration of the history component of the comprehensive exam.

For students with history as coordinating discipline, there will be three areas of examination: one covering approaches to history; one covering a general field of history; and one covering a specific field or fields of history relatd to the dissertation topic. See the list below of general and specific fields offered by the department.

For co-discipline students, the written component will cover two areas: methods of and approaches to history; and a specific field of history related to the dissertation topic. See the list below of general and specific fields offered by the department.

A student with history as either a corodinating or co-discipline is considered to have passed the comprehensive examination if the history member/s of the examining committee vote that the candidate passes, and if no more than 20 percent of the examining committee vote to fail the student. If failure is reported, the examining committee will either recommend termination as a Ph.D. student or suggest additional work or other remedial measures. Furthermore, a student who has failed may not take a second examination for at least 12 weeks. Failure of a second comprehensive examination shall automatically preclude candidacy at this institution.

In the list below, specific fields are indicated under the general fields:

1. Europe Before 1600
    - Roman Republic
    - Medieval Europe
    - Renaissance and Early Modern Science
    - Darwinian Revolution
2. Europe After 1600
    - 19th Century Diplomatic
    - European Revolutions
    - Intellectual and Cultural
    - Modern Germany
    - Modern Britain
3. Asia
    - Japanese
    - Modern South Asia
4. Middle East/Jewish
    - Ancient Jewish
    - Medieval Jewish
    - Modern Jewish
    - Medieval Islamic
    - Arab-Israeli Conflict
5. U.S./North America to 1828
    - African-American
    - Childhood
    - Civil War and Reconstruction
6. U.S. 1828-1877
    - Constitutional
    - Foreign Relations
7. U.S. 1877-1920
    - Military
    - Presidency
8. U.S. 1920-Present
    - Religion
    - Social/Cultural
    - Urban
    - West
    - Women

Dissertation Requirements

A student for whom history is a discipline must meet the requirements of the history department for the discipline, as well as those of the School of Graduate Studies. On a

Ph.D. plan of study, where history is the coordinating discipline, there must be a minimum of 12 credits in History 5699 (dissertation hours).

Language Requirements

Those students for whom history comprises 50 percent or more of the program of study, or whose dissertation will utilize sources in a foreign language or languages, must demonstrate competency either through a passing satisfactory score on the ETS language examination or through a special examination approved by the student's examining committee.

Those students for whom history comprises less than 50 percent of the plan of study and whose dissertation will not utilize sources in a foreign language will ordinarily not be required to demonstrate language competency. It is strongly urged, however, that all Ph.D. students choosing history as a primary discipline will pursue the development of foreign language skills or equivalent (quantitative) research skills.

Retention in the Doctoral Program

A doctoral student must maintain a 3.0 grade-point average in each semester of coursework taken at UMKC. A person receiving a failing grade in a class will normally not be retained in the doctoral program. In exceptional cases, such a student may petition to be placed on probation for one semester.

A student who falls below a 3.0 grade-point average, or whose work is deemed unsatisfactory at any stage of doctoral work by the history member/s of the supervisory committee, with the concurrence of a majority of the resident doctoral faculty of the department, may be declared ineligible for further study.

History Department Policies Regarding Doctoral Faculty

No doctoral student shall be permitted to form a supervisory committee on which the only history faculty members are former faculty at UMKC or adjunct faculty members. Refer to the Web site of the School of Graduate Studies for a list of current doctoral faculty.

Ordinarily, emeritus professors of doctoral faculty status in history shall be allowed to serve on doctoral committees for no more than five years after retirement. Such service shall only be on committees that the required faculty member was already on at the time of retirement. Emeritus faculty members can have their doctoral status extended beyond five years only if at least two-thirds of the members of the history doctoral faculty vote to approve this.

Emeritus professors in history cannot chair dissertation committees. They can, however, co-chair with the approval of a majority of the regular resident doctoral faculty.

The history department adheres to the guidelines of the American Historical Association with regard to student ethics and the responsible conduct of research. The AHA Statement on Standards of Professional Conduct can be found at http://www.historians.org/pubs/Free/ProfessionalStandards.cfm.

MATHEMATICS

Discipline Coordinator
Jie Chen, (816) 235-**2844**, chenj@umkc.edu

Doctoral Faculty Participation

Jie Chen
James Foran
Eric Hall
Kamel Rekab
Noah Rhee
Liana Sega
Hristo Voulov
Yong Zeng

Mathematics is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

An applicant selecting mathematics as a discipline will be expected to have a baccalaureate degree with a major in mathematics from an accredited college or university. Students who do not have an undergraduate mathematics major must present evidence of a strong performance in at least three mathematics courses beyond calculus and meet the general admission requirements of the School of Graduate Studies.

Qualifying Requirements for Full Admission

Mathematics as Coordinating Unit

A student who has an M.S. degree in mathematics or statistics from an accredited university may get full admission to the Interdisciplinary Ph.D. program in the Department of Mathematics and Statistics. A student who has a B.S. degree in mathematics or statistics will need to take the six core courses in the department's M.S. program, and the student becomes qualified for full admission to the Interdisciplinary Ph.D. program in the Department of Mathematics and Statistics if the student receives a GPA of 3.0 or better in the six core courses. After the qualifying requirements are satisfied, a student then gets full admission to the Interdisciplinary Ph.D. program in the Department of Mathematics and Statistics.

Mathematics as a Co-discipline

Students who are provisionally admitted with mathematics as a co-discipline will be advanced to full admission after satisfying the co-discipline requirements stated at the time of admission and being recommended for full admission by the coordinating-unit discipline.

Suggested Compatible Co-disciplines

cell biology and biophysics, molecular biology and biochemistry, computer science, telecommunication and computer networking, electrical and computer engineering, chemistry, curriculum and instruction, physics, geosciences and engineering.

Core Program Requirements

The requirements for the Ph.D. fall into five major categories: coursework, special requirements set by the supervisory committee, interdisciplinary work, comprehensive examination and dissertation.

Mathematics as Coordinating Unit

A student can have either mathematics or statistics as the emphasis area when the student declares mathematics as the coordinating unit.

After fully admitted, students must take at least six 5500-level courses (at least 18 credit hours) in mathematics or statistics. Transfer credit may be accepted (in accordance with the minimum 21 credit residency requirement set by the School of Graduate Studies). Students must satisfy the co-discipline coursework requirement set forth by the co-discipline. The student's supervisory committee may require more courses if such courses are appropriate to the student's area of research. The student's dissertation must represent a significant contribution to mathematics or statistics. Refer to the department Web site for more details.

Mathematics as a Co-discipline

The number of hours required in mathematics for a student who chooses mathematics as a co-discipline will be the greater of 12 credit hours and the number of hours required by the student's coordinating discipline when it functions as a co-discipline. Up to six of these credit hours may be at the 400-level. Students must receive a B or

better grade on all courses taken.

Other Discipline-Specific Special Requirements

The supervisory committee may impose additional requirements on a student if the requirements are relevant to the chosen areas of research.

Comprehensive Examination Guidelines

The student with mathematics as the coordinating-unit discipline must pass a comprehensive examination in mathematics or statistics after completing nine hours at the 5500-level or above and completing any special requirements and interdisciplinary requirements. An oral examination will be given after a student passes the comprehensive examination. Refer to the department Web site for more details.

MOLECULAR BIOLOGY AND BIOCHEMISTRY

Discipline Coordinator

G. Sullivan Read, (816) 235-**2583**, readgs@umkc.edu

Doctoral Faculty Participation

Karen Bame
Leonard Dobens, Jr.
Michael B. Ferrari
Stephen J. King
Henry M. Miziorko
William T. Morgan
Michael O'Connor
Anthony Persechini
Jeffrey L. Price
Ann Smith
Gerald J. Wyckoff

Molecular Biology and Biochemistry is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

No additional requirements. Due to the sequencing of coursework, new students selecting molecular biology and biochemistry as their coordinating unit will normally only be admitted in the fall term. In general, initial admission will be granted into an M.S. track leading to full admission to the Ph.D. program.

Qualifying Requirements for Full Admission

Minimum of 16 hours of approved graduate coursework at UMKC toward the Ph.D. program with a grade-point average of at least 3.0. International students must establish English proficiency.

Suggested Compatible Co-disciplines

Other sciences, such as chemistry, cell biology and biophysics, pharmaceutical science, pharmacology, oral biology and physics.

Core Program Requirements

For Students with this Discipline as the Coordinating Unit

Minimum core requirement is 30 course credit hours and 15 dissertation research credits in molecular biology and biochemistry for a total of 45 post-baccalaureate credit hours, distributed as indicated below:

Discipline courses required:

- Biochemistry LSMBB 5561 (4 credits)
- Biochemistry LSMBB 5562 (4 credits)
- Experimental Molecular Biology LSMBB 5596 or 5597 (2 credits)
- Seminar in Molecular Biology and Biochemistry LSMBB 5611 (2 credits)
- LSMBB 5690/LSCBB 5690 Analytical Methods (5 credits)

An additional 3 credits must be selected from among the following courses for a total of 20:

- Eukaryotic Molecular Biology, LSMBB 5503 (3 credits)
- Structure and Function of Proteins, LSMBB 5565 (3 credits)
- Physical Biochemistry, LSMBB 5567 (3 credits)

Related Discipline Courses Required

Ten additional course credit hours in one related discipline or combination of disciplines. Related disciplines are defined as cell biology and biophysics, chemistry, pharmaceutical sciences, pharmacology, oral biology or other. Seminar courses may be part of this component of required courses, up to a maximum of three for the program, as are two additional credits of advanced experimental molecular or cell biology.

Electives

Each student's supervisory committee may require additional courses in any University-approved doctoral discipline as preparation for specific areas of research. These additional requirements may not exceed nine credit hours beyond the 30 credits required for the basic course core. These electives may be taken at any time during enrollment as a graduate student, up to the semester prior to that in which the dissertation defense will occur. No more than seven course credit hours of 5500-level courses, or their equivalent, can be taken at institutions outside UMKC. Remember that 5700-level courses may not be used to satisfy course requirements for the program.

For Students with this Discipline as a Co-discipline

Students who select this discipline as a co-discipline must take a minimum of 11 credit hours of core courses, including:

- LSMBB 5561 General Biochemistry I (4 credits)
- LSMBB 5562 General Biochemistry II (4 credits)
- LSMBB 5611 or LSMBB 5612 (one credit)
- Plus sufficient additional core courses to constitute the required percentage of the overall program of study.

Other Discipline-Specific Special Requirements

Research

The School of Biological Sciences offers research opportunities in many areas of modern life sciences that address problems of basic life processes at the cellular, subcellular and molecular levels. Graduate studies offered with primary participation of the faculty in the Division of Molecular Biology and Biochemistry are based on the belief that

training for research can be best accomplished by having an appropriate breadth of background coursework, combined with a depth of specialization in a particular research area. The faculty have established guidelines that have a minimum of formal requirements so that students have the flexibility to advance at a pace consistent with development of the individual. Diligence, creativity and independent thinking are the qualities desired in the candidate's dissertation work.

Teaching

As part of their graduate training, all Ph.D. students with molecular biology and biochemistry as the coordinating-unit discipline participate in the teaching program of the School of Biological Sciences. This is an important component of preparation for a career in academia or other institutions and aids in the development of effective communication skills.

Seminars

Students will participate in seminars in which current developments in various areas of life sciences will be discussed and explored. Students also will present seminars on their own work or on work in the current scientific literature. The latter is taken as part of the core of graduate-level courses in the coordinating or co-disciplines.

Course Restrictions

5700-level courses may not be used to satisfy molecular biology and biochemistry discipline-specific course requirements.

Dissertation

The dissertation abstract and proposal must be submitted to and approved by the supervisory committee prior to beginning the third academic year of study after enrollment in the Ph.D. program.

Retention in Program

A minimum B grade in LSMBB 5561 and 5562 is required to remain as a doctoral student in this discipline.

For students with this discipline as their coordinating-unit discipline, no more than one C grade in a core course or two C grades in any course, and no D or F grades, are permitted. A student who receives more than two C grades will be recommended for termination from the doctoral program. A student who receives a D or F grade will be dropped from the program.

The doctoral faculty in molecular biology and biochemistry meets formally at the end of each academic year to discuss and evaluate the progress of all graduate students. Each student's committee also meets with the student at least once a year. After the annual doctoral faculty meeting, all students receive written evaluations of their status and a report is placed in each student's file.

Comprehensive Examination Guidelines

To become a Ph.D. candidate, the student must pass a comprehensive exam that may be taken on completion of essentially all of the coursework specified in the student's study plan and on satisfactorily fulfilling the requirements for full admission. This must be done before the *beginning*of the third academic year after admission to UMKC with graduate student status, or (for part-time students) immediately after completion of 25 credit hours approved by the discipline-doctoral program at UMKC. This exam will be administered by the student's supervisory committee and will test the student's knowledge of background material, as well as the student's ability to analyze and interpret information and solve problems.

Written Portion

The written examination for students who have molecular biology and biochemistry as their primary discipline has two components. The first component consists of a written, general comprehensive exam testing an integrated knowledge of material acquired through the courses and the seminar components in the primary and secondary disciplines. The second component of the written examination consists of an NIH-style grant proposal that the student will prepare. The topic of the research proposal will be determined by the student in consultation with the student's supervisory committee.

Oral Portion

The oral examination also has two aspects: (1) questions covering the grant proposal prepared by the student for the written examination and (2) other related material in the student's area of specialization, including fundamental knowledge of the primary and secondary disciplines.

MUSIC EDUCATION

Discipline Coordinator
Lindsey Williams, (816) 235-**2354**, williamslin@umkc.edu

Doctoral Faculty Participation

Lindsey Williams
Robert Groene
Joseph Parisi
Randall Pembrook
Sheri L. Robb
Charles Robinson

Music Education is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

In addition to the general criteria, applicants selecting music education as a discipline must:

- Have an aggregate minimum undergraduate GPA of 3.0 and graduate GPA of 3.5 on a 4.0 scale.
- Submit a thesis or equivalent evidence of written scholarship.
- Have a combined score of 1500 on the verbal, quantitative and analytical sections of the GRE with no individual score below 350.
- Have an acceptable on-campus interview with doctoral faculty members from this discipline.
- Demonstrate comprehensive musicianship through videotape, performance, classroom teaching, audition or jury.
- Have a minimum of three years K-12 teaching or music therapy clinical experience or the equivalent.
- Perform an applied audition.

Alternate Admission Criteria

Applicants may ask to be considered under the following alternate admission criteria:

- Have an undergraduate GPA of 3.0 or a graduate GPA of 3.5.
- Submit a thesis or equivalent evidence of written scholarship.
- Score 900 or above on the SAT with both the verbal and math scores above 400; or score 21 or above on the ACT.
- Have an acceptable off-campus interview with at least two UMKC music education/therapy doctoral faculty or have two written recommendations from UMKC doctoral faculty.
- Have a minimum of three years K-12 teaching/clinical experience or the equivalent.
- Demonstrate comprehensive musicianship through a cassette tape or videotape.
- Perform an applied audition.

Qualifying Requirements for Full Admission

- Have a GPA of at least 3.5 in courses to be counted for the degree.
- Have an acceptable interview with members of the student's supervisory committee.
- Have acceptable scores on designated tests covering music history, music theory and music education/therapy.

Suggested Compatible Co-disciplines

Curriculum and instruction is the primary co-discipline. Other potential co-disciplines can be considered by students in consultation with coordinating discipline coordinator and faculty.

Core Program Requirements

Music education will function only as a coordinating unit in the UMKC Interdisciplinary Ph.D. program. Because of this, the following minimum standards apply only to students with music education as their coordinating unit.

Research

Two important goals for students with music education as their coordinating discipline and education as a co-discipline will be to develop research skills and increase their awareness of important research literature. Through introductory courses at the Conservatory, students will become acquainted with research techniques, problems and literature in music education/therapy. Additional research courses in the School of Education and other academic units will provide more tools for structuring research designs and analyzing data. Students in the program will assist their faculty mentors in research while developing a research agenda of their own. The number and nature of research classes placed on each student's program of study will be determined by the background, goals and interests of the student.

Teaching Techniques and Philosophies

While students may have widely divergent career goals, ranging from becoming a district music supervisor in a K-12 program, training undergraduate music therapists or being a college choral conductor, all will be actively involved in the education process in some form. To develop a comprehensive acquaintance with education at all levels, Ph.D. students will enroll in methods classes, will be assigned to observe and teach undergraduate classes at UMKC and will observe and help supervise student teachers in local K-12 schools. Courses in the Conservatory, the School of Education and other academic units will help students efficiently interpret the techniques and philosophies they observe in the classroom, determine their own goals and philosophies, and consequently, become better teachers.

Because faculty members from the Conservatory and the School of Education strongly believe that theories, philosophies and techniques associated with teaching carry more meaning for those who have experienced the teaching environment, the Ph.D. requires three years of K-12 teaching experience, music therapy clinical practice or the equivalent for admission to the program.

Seminars and Core Courses

While research and teaching are areas of great importance, it is anticipated that most students will need theoretical information to structure their teaching and research endeavors. Courses in theories of learning in general and in music, as well as seminars on the latest teaching techniques and methodologies, will give students a knowledge base to better facilitate their own teaching and to prepare future students to teach. Particular attention will be given to cultivating critical thinking skills in students and nurturing multicultural values.

Program Requirements

It is anticipated that most students selecting music education and education as their disciplines will have completed a master's degree in music education or a related field. Students with backgrounds in music therapy are also encouraged to apply.

While total degree-hour requirements for the Ph.D. will vary depending on each student's career goals, previous experience and training, it is anticipated that for most students, course requirements will include 35 to 45 pre-dissertation hours. If a student has completed a bachelor's or master's degree in some area other than music education/therapy, additional work beyond this approximate range will probably be required. No specific course requirements are designated. Depending on the previous work of the individual and the career direction sought, each program of study, including foreign language requirements, will be considered on an individual basis.

Co-discipline Requirements

Curriculum and instruction is the primary co-discipline for music education in the Interdisciplinary Ph.D. program. It is anticipated there will be many permutations which are a product of this combination. A student's interests in School of Education classes may gravitate toward research, administration, counseling, philosophical and historical foundations or an infinite number of additional possibilities. Within the spirit of flexibility, which is the essence of the Interdisciplinary Ph.D. program, students are allowed to enroll in other fields of study such as history, philosophy, psychology, art and non-music education/therapy Conservatory classes. The primary area of study outside music education and/or music therapy will constitute from 15 to 50 percent of pre-dissertation hours in the planned program of study.

Comprehensive Examination Guidelines

Written and oral comprehensive exams will be taken during the semester when the student completes all, or (in some special cases) nearly all, of the classes outlined in the planned program of study or the semester immediately following the completion of classes. This could include the summer term, depending on the availability of supervisory committee members. The exams must be scheduled with the supervisory committee no later than four weeks before they are to occur. No particular period is designated specifically for comprehensive exams; however, the oral exam should be taken the week following the written portion. The comprehensive exam will include a total of 18-24 hours of written and oral questions. The hours will be divided between the coordinating unit of music education (not to exceed 60 percent of the total number of hours on the exam) and the co-discipline of education (15-40 percent of the hours) so as to reflect the student's planned program. Exams in the coordinating area of music education will include 12-18 hours of written questions in the student's major area (e.g., choral music education, general music education, instrumental music education). A Ph.D. student may elect to substitute written research projects previously approved by the supervisory committee for this portion of the exam. Examples of such projects would include, but are not limited to, preliminary research distinct from the dissertation or the development of a curriculum project for a designated level and subject matter. In addition, a two-hour oral exam pertaining to research projects and courses completed by the student, a three-hour written exam relating to general knowledge of music research techniques and procedures, and a one-hour written exam pertaining to music education or music therapy history and philosophy will be required.

ORAL BIOLOGY

Discipline Coordinator

J. David Eick, Director Graduate Studies and Research (816) 235-**2067**, eickj@umkc.edu
Mary Walker, Co-Director Graduate Studies and Research (816) 235-**2825**, walkermp@umkc.edu

Doctoral Faculty Participation

Cynthia Amyot
Cielo Barragan-Adjemian
Lynda Bonewald
William Brockmann
Sarah Dallas
J. David Eick
Jian Q. Feng (A)
Alan Glaros (A)
Jeffrey Gorski
Laura Iwasaki
Shiva Kotha
Carole McArthur
Jeffrey Nickel
John Purk
Michael Reed
Ronald Sakaguchi (A)
Paulette Spencer
Mary Walker
Yong Wang
Karen Williams

Mark Johnson

Oral Biology is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

In addition to the general minimum requirements for admission to interdisciplinary Ph.D. study, an applicant must hold either (1) a baccalaureate degree or (2) a D.D.S. or equivalent degree. In general, an applicant will be expected to have a minimum cumulative GPA of 3.0 (based on a 4.0 scale) for all undergraduate work, including dental school (if applicable).

All application materials should be submitted prior to March 1 for students wishing to begin their study in the fall semester; however, applications will be accepted throughout the year. Evaluation criteria include the following:

- Transcripts. Analysis of transcripts from all prior institutions is required. Under special circumstances (e.g., class standing) consideration may be given to applicants whose GPA is 2.5 to 3.0.
- Letters of recommendation. Three letters of recommendation are required from current or former teachers who are familiar with the applicant's past achievements and research ability.
- Letter from applicant. The applicant must submit a letter describing why he or she is interested in pursuing interdisciplinary Ph.D. study in oral biology, how the experience of the program may be used by the candidate in the future, and a list of potential research interests.
- Interviews. Interviews are not required; however, interviews at the School of Dentistry will be arranged upon the candidate's request. Successful interviews may enhance the candidate's chance of acceptance.

Suggested Compatible Co-disciplines

Cell biology and biophysics, molecular biology and biochemistry, pharmacology, chemistry, physics, engineering, computer science, electrical and computer engineering, telecommunication and computer networking, curriculum and instruction, public affairs and administration (public health emphasis) and mathematics,

Qualifying Requirements for Full Admission

Applicants will be notified of any qualifying requirements to be satisfied at the time an admission decision is made.

Core Program Requirements

The required minimum core curriculum for students with oral biology as a discipline will consist of a minimum of nine credit hours in oral biology. See master of science in oral biology curriculum for examples of appropriate courses. The student's supervisory committee may require additional courses for an interdisciplinary Ph.D. program which includes the department of oral biology as the coordinating-unit discipline or as a co-discipline. Ph.D. students with oral biology as their coordinating unit must either complete these courses at UMKC or must have completed equivalent coursework at approved institutions at the time of their admission to the Interdisciplinary Ph.D. program. Students are referred to other sections of the current UMKC general catalog for listings of appropriate graduate-level courses.

In accordance with the general requirements for the Interdisciplinary Ph.D. program, a Ph.D. student must prepare a plan of study in conjunction with his or her dissertation supervisor and supervisory committee during the first year of Ph.D. studies. A student's plan of study must include coursework in oral biology as well as in at least one other discipline.

Other Discipline-Specific Special Requirements

Dissertation Research

In accordance with general Interdisciplinary Ph.D. program requirements, each student with oral biology as the coordinating-unit discipline must submit a dissertation proposal, prepared in consultation with the student's supervisory committee, which describes an interdisciplinary program of original research on a significant problem in oral biology. The proposal will be reviewed by the student's Ph.D. supervisory committee. The student may be required to revise and resubmit the proposal to the supervisory committee. A copy of the accepted proposal will then be forwarded to the dean of the School of Graduate Studies.

The student must provide evidence that a substantial portion of the dissertation will be submitted for publication to refereed journals. Such proof may be in the form of a manuscript in preparation for submission or a submitted manuscript. The student must submit the complete dissertation, in typewritten or letter-quality printed form, to his or her faculty adviser for review and preliminary approval at least eight weeks before the expected date of graduation.

Appeals

In the event of disputes or special requests concerning a student's Ph.D. program, written appeals or documentation must first be submitted to the student's supervisory committee. If a resolution of the problem cannot be affected at that level, the written appeals process must then progress through the following levels:

1. Doctoral studies committee of the Department of Oral Biology.
2. Interdisciplinary Ph.D. Executive Committee.
3. Dean, School of Graduate Studies.

Academic Retention

A 3.0 or better grade-point average is required of all work applicable to the Interdisciplinary Ph.D. program. A Ph.D. student with oral biology as a discipline is subject to termination from the Interdisciplinary Ph.D. program if: (1) his or her grade-point average falls below 3.0; (2) more than four hours of C (2.0) grades are received; or (3) any grade of D or F is received.

A recommendation for termination from the program will be made by the student's supervisory committee to the Department of Oral Biology and forwarded to the Interdisciplinary Ph.D. executive committee and the dean of the School of Graduate Studies.

Comprehensive Examination Guidelines

A comprehensive examination will be administered to all students enrolled in the Interdisciplinary Ph.D. program whose subject emphasis area is oral biology. The examination includes both written and oral components. Content of the comprehensive examination will be tailored to the student's field of research interest and prepared with input from all members of the student's supervisory committee.

PHARMACEUTICAL SCIENCES

Discipline Coordinator
Ashim Mitra, (816) 235-**1615**, mitraa@umkc.edu

Doctoral Faculty Participation

Simon H. Friedman
William G. Gutheil
Thomas P. Johnston
Chi H. Lee
Ashim K. Mitra
Steven H. Neau
Celestin Youan

Pharmaceutical Sciences is a discipline in the Interdisciplinary Ph.D. program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Due to course sequencing, new students will ordinarily be accepted only in the fall term. Applicants must hold a professional degree in pharmacy (Pharm.D. or B.S.) or a baccalaureate degree in a related field such as chemistry, biology or mathematics with an undergraduate GPA of at least 3.0 on a 4.0 scale. Students who hold a master's degree in an appropriate discipline may be admitted on satisfaction of the general requirements of the School of Graduate Studies.

Qualifying Requirements for Full Admission

Admission depends on agreement of a member of the doctoral faculty in the discipline to serve as research adviser. All students are admitted provisionally except those holding an M.S. in pharmaceutical sciences. Full admission will be granted on satisfactory completion of 16 credit hours of courses recommended by the provisional pharmaceutical sciences faculty adviser during the first calendar year on campus. Students seeking admission to the pharmaceutical sciences discipline of the Interdisciplinary Ph.D. program should have completed coursework in calculus, organic chemistry, physical chemistry, biochemistry, microbiology, human anatomy and physiology where appropriate to their interests. Graduate students will be given a placement examination administered by the coordinating-unit discipline faculty in order to assess undergraduate preparation for graduate-level study. Deficiencies existing on admission must be discussed with the interim faculty adviser during the first two semesters of graduate work. Course equivalency is determined by the pharmaceutical-science discipline faculty on a case-by-case basis. Students are required to pass the discipline placement exams before appearing for the comprehensive exams administered by the supervisory committee.

On admission, all students are assigned interim faculty advisers as stated in the letter of admission. Graduate students must adhere to the guidelines as stated in the School of Pharmacy Graduate Programs section of this catalog pertaining to selection and changes of faculty advisers.

Suggested Compatible Co-disciplines

Pharmacology, chemistry, cell biology and biophysics, molecular biology and biochemistry and oral biology.

Core Program Requirements

Pharmaceutical Sciences as the Coordinating Unit

The minimum graduate credit hours generally required for the Ph.D. degree with pharmaceutical sciences as a discipline are 40 in didactic coursework, credit for presentation of three seminars and 20 dissertation research credits. Specific courses in pharmaceutical science will be agreed upon in consultation with the coordinating-discipline supervisory faculty. Students will take a minimum of five courses offered by the coordinating-unit discipline. Attendance at all seminars in the coordinating-unit discipline is required, except when there is a scheduling conflict or an excuse approved by the seminar chair.

Three credit hours of statistics, plus 15 credit hours in pharmaceutical science coursework and 22 credit hours in one or a combination of related co-disciplines are all required.

Other electives. A supervisory committee may require that additional coursework be taken to prepare the student in a specific research area.

Pharmaceutical Sciences as Co-discipline

The pharmaceutical sciences doctoral faculty member(s) of the supervisory committee will confer regarding the student's program of study and recommend appropriate courses offered by the co-discipline. Generally, courses in the co-discipline will constitute successful completion of at least 20 percent of the approved course of study. All students choosing pharmaceutical sciences as a co-discipline must complete at least three graduate-level courses in pharmaceutical sciences compatible with research objectives recommended by the supervisory committee.

Other Discipline-Specific Special Requirements

Requirements for Retention

Students who receive two C grades or one D grade in didactic courses are subject to dismissal from the program. A student who receives one F grade will not be retained. Students will not be allowed to attain more than one C grade in a co-discipline course.

Appeals

Appeals by graduate students on matters pertaining to research or studies in the discipline will be routed initially to the supervisory committee and managed according to the appropriate procedures established for the Division of Pharmaceutical Sciences, School of Pharmacy.

Comprehensive Examination Guidelines

Ph.D. students who choose pharmaceutical sciences as the coordinating discipline must successfully pass a qualifying examination given by the division prior to applying to take their written and oral comprehensive examinations. Once the qualifying examination has been successfully completed, the comprehensive examinations will be given after the student has completed the majority of didactic coursework requirements but not later than the end of the third year. The examinations will be administered by the student's supervisory committee. The comprehensive examinations (written and oral) must be passed before a doctoral student can be admitted to candidacy. Before the comprehensive examination can be taken, the student must submit and have accepted a research proposal in a form satisfactory to the supervisory committee. The comprehensive examination will be administered by the student's supervisory committee and will consist of both written and oral components.

PHARMACOLOGY

Discipline Coordinator
Karen Mark, (816) 235-**5903**, markks@umkc.edu

Doctoral Faculty Participation

Mostafa Badr
Charles S. Barnes (A)
Betty LaRue Herndon (A)
Orisa Igwe
Gregory L. Kearns
Karen Mark
Agostino Molteni (A)
Robert Piepho
Deborah Scheuer
Jianping Wang
David Yourtee

Pharmacology is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Due to course sequencing, new students will ordinarily be accepted only in the fall term. Applicants must hold a professional degree in pharmacy (Pharm.D. or B.S.) or a baccalaureate degree in biological, chemical science or health science. In special situations, baccalaureate degrees in other disciplines will be evaluated for possible admission. For graduates of foreign schools, the applicant must have completed a course of study at least the equivalent of a U.S. baccalaureate degree.

Prospective students must have an aggregate minimum grade-point average of 3.0 on a 4.0 scale for all college work taken prior to the bachelor's degree, or an aggregate GPA of at least 3.5 on all post-baccalaureate work to date (minimum of nine hours). For graduates of foreign schools, the applicant must have above-average grades in previous college study.

Prospective students must have a minimum aggregate GRE score of 1000 out of 1600 for verbal and qualitative and 3.0 out of 6.0 for analytical writing or combined 1500 out of 2400 for verbal, qualitative and analytical.

For graduates of foreign schools, the applicant must have a minimum score of 550 on written or 213 computer-based or 80 on Internet-based TOEFL exam AND a minimum score of 4 out of 6 on the TWE.

Qualifying Requirements for Full Admission

Students seeking admission to the pharmacology discipline of the Interdisciplinary Ph.D. program should have completed coursework in organic chemistry I and II, biochemistry I and II, calculus, anatomy, microbiology, physiology I and II and a biostatistics course. Deficiencies existing on admission must be satisfied during the first two semesters of graduate work. In addition, during the first year of graduate study, provisional Ph.D. students with pharmacology as a discipline must complete the following courses with a grade of B or better: Pharmacy 5519 (four hours), Pharmacy 5520 (five hours) and Pharmacy 5615 (three hours) or their equivalents. Equivalency is determined by the pharmacology discipline faculty on a case-by-case basis.

Suggested Compatible Co-disciplines

Pharmaceutical sciences, cell biology and biophysics, chemistry, molecular biology and biochemistry or other related fields in health sciences that offer Ph.D. degrees.

Core Program Requirements

Pharmacology as Coordinating-unit Discipline

Specific course requirements will be determined by the student in consultation with the research adviser and the supervisory committee. Generally, 65 post-baccalaureate credit hours, including 20 hours of research and dissertation and 45 hours of coursework, are required for the Ph.D. degree. No more than 27 credit hours (60 percent) can be obtained from a single discipline (preferably in pharmacology). The remaining 18 credit hours (40 percent) can be obtained from one or more participating disciplines. No more than 25 percent of the coursework from the non-participating disciplines will be counted toward the Ph.D. degree. More co-disciplines will be required. As many as 15 credits may be allowed for courses taken in a master's degree program at another institution with the concurrence of the student's supervisory committee.

The total of 27 hours required for pharmacology as the coordinating discipline will be composed of Pharmacy 5519 (four credits), Pharmacy 5520 (five credits), Pharmacy (three credits), three hours of Pharmacy 5580C (pharmacology seminar) and 12 additional hours of advanced courses (5500-level or above) in pharmacology or toxicology as approved by the supervisory committee.

In the remaining 18 hours, three credit hours of statistics, plus 15 credit hours in one or a combination of co-disciplines, which may include cell biology and biophysics, chemistry, molecular biology and biochemistry, oral biology, pharmaceutical sciences or other pertinent areas as approved by the supervisory committee.

Other Electives

A supervisory committee may require that additional coursework be taken to prepare the student in a specific research area. This additional requirement may not exceed six credit hours, may be taken in any approved doctoral discipline and must be completed prior to the semester in which the dissertation defense occurs.

Pharmacology as Co-discipline

Students who apply for Pharmacology as a co-discipline should have completed coursework equivalent to Pharmacy Physiology I and II (LS-PHSL 399 and 400) and Human Biochemistry I and II (Bio-Sc 365G and 366G), which are offered at UMKC. Deficiencies existing on admission must be satisfied during the first two semesters of graduate work. When pharmacology is chosen as the co-discipline, the minimum course requirements are completion of Pharmacy 5519 (four credits), Pharmacy 5520 (five credits) and one credit hour of seminar (Pharmacy 5580C), plus sufficient courses constituting the required percentage of their program of study, as approved by the supervisory committee. No more than one C grade in any core course will be permitted. Students who receive more than one C grade or lower will be dropped from pharmacology as a co-discipline. Students must take and successfully pass a written and oral comprehensive examination administered by the supervisory committee members from the Division of Pharmacology. Co-discipline students should take the pharmacology comprehensive examination no later than one semester after completing their required co-discipline coursework.

Other Discipline-Specific Special Requirements

Additional Coursework

Students will be expected to complete at least three credit hours of statistics. Students are expected to take sufficient computer courses or training as to be proficient in word processing and the use of spread sheets and data bases.

Retention in Program

Graduate students are required to maintain a cumulative grade-point average of B (3.0 on a 4.0 scale). In any semester when the cumulative GPA falls below 3.0, the graduate student will automatically be placed on probation. The student is allowed one semester to return to good academic standing (cumulative GPA of 3.0). A graduate student should not let the cumulative GPA fall below 3.0 in two semesters throughout the entire program. Students who receive a grade of C in six credit hours or more, or who receive a grade lower than C, or one no-credit grade will be dismissed from the graduate school. Any C grade in courses offered by the pharmacology division should be repeated no more than once.

Appeals

For special requests or disputes concerning a student's Ph.D. program, written appeals with documentation must first be submitted to the student's supervisory committee. If a resolution of the problem cannot be obtained at the supervisory committee level, the written appeals process must then progress through the following levels:

1. Division Chair, pharmacology.
2. Graduate Programs Committee, School of Pharmacy.
3. Interdisciplinary Ph.D. Executive Committee.
4. Dean, School of Graduate Studies.

Comprehensive Examination Guidelines

The comprehensive examination must be taken before the beginning of the student's third year after admission to full-time graduate study at UMKC. The comprehensive examination consists of both written and oral examinations.

Written Examination

The written examination will consist of essay-type questions submitted by the members of the supervisory committee and will cover fundamental knowledge in the coordinating discipline and co-disciplines. The written examination must be satisfactorily passed before proceeding on to the oral examination, which should be taken within two weeks of successfully passing the written examination.

Oral Examination

The oral examination shall consist of material related to the student's area of research specialization, as well as fundamental knowledge of the coordinating discipline and co-disciplines.

On satisfactory completion of the written and oral portions of the comprehensive examination, the student becomes a candidate for the Ph.D. In the event a student does not pass the examination, one additional attempt may be made at a date no sooner than 12 weeks, and within one year, of the original attempt. A student who fails either the written or the oral examination a second time will be automatically dropped from the program. A student must pass the doctoral comprehensive examination and advance to Ph.D. candidacy within four years from the beginning of doctoral coursework (within three years if entering with a master's degree in the same or closely related field). After

the establishment of degree candidacy, a maximum of four years will be allowed for completion of degree requirements (three years for students with a master's degree). Failure to complete the work within the periods specified will necessitate re-evaluation of the entire program and may result in a notice of termination.

PHYSICS

Discipline Coordinator

Da-Ming Zhu, (816) 235-**5326**, zhud@umkc.edu

Doctoral Faculty Participation

Keith Ashman
W. Y. Ching
Jennifer Discenna
Yanching Jean (D)
Michael B. Kruger
Richard D. Murphy
James M. Phillips
Elizabeth Stoddard
John R. Urani
Jerzy Wrobel
Da-Ming Zhu

Physics is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

For admission to the program, an applicant must meet both the Interdisciplinary Ph.D. and specific physics admission requirements. The doctoral studies committee of the Department of Physics will review applications and make admission recommendations to the Interdisciplinary Ph.D. Executive Committee. The basic criterion for admission is the likelihood that an applicant will be successful in the Interdisciplinary Ph.D. program, particularly in the research component of the program. All applicants must satisfy the doctoral studies committee that they meet this criterion through such evidence as transcripts, letters of recommendation, statements of purpose, GRE scores (general and subject), performance on the department written examination, etc. Furthermore, a member of the doctoral faculty must be willing to accept the applicant as a research student. International students are required to have a TOEFL score of at least 550 (213 CBT) for admission and 575 (230 CBT) to be eligible for a teaching assistantship.

Qualifying Requirements for Full Admission

In addition to the above requirements, applicants must meet the following minimum requirements for the appropriate category listed below to be considered for full admission with physics as a discipline. The doctoral studies committee may recommend provisional admission for those applicants who fail to meet these requirements.

Applicants for admission to the Interdisciplinary Ph.D. program electing physics as their coordinating discipline must have a bachelor's or master's degree in physics or the equivalent. Those applicants holding only a bachelor's degree will be expected to provide exceptionally strong evidence of their academic ability and research capability in physics.

Applicants for admission to the Interdisciplinary Ph.D. program electing physics as their co-discipline must hold at least a bachelor's degree in a compatible field. These applicants must have successfully completed coursework in physics beyond a first (general or engineering physics) introductory course and must have mathematical background sufficient for advanced coursework in physics.

Suggested Compatible Co-disciplines

Computer science, mathematics, chemistry, geosciences, electrical and computer engineering, telecommunication and computer networking, curriculum and instruction and engineering.

Core Program Requirements

The credit hour requirement for Ph.D. students with physics as a discipline will depend on the student's entering status and individual program.

Physics as a Coordinating Unit

For Ph.D. students with physics as the coordinating discipline, the following are the core graduate-level courses:

- Physics 5500-5501 Methods of Mathematical Physics I, II
- Physics 5510-5511 Theoretical Mechanics I, II
- Physics 5520-5521 Electromagnetic Theory I, II
- Physics 5530-5531 Quantum Mechanics I, II
- Physics 5540 Statistical Physics I
- Physics 5550 Atomic and Molecular Structure
- Physics 5630 Advanced Quantum Theory

Students with physics as their coordinating-unit discipline must either complete these courses at UMKC or must have already completed equivalent coursework at approved institutions at the time of their admission to the Interdisciplinary Ph.D. program at UMKC.

Physics as a Co-discipline

A student selecting physics as a co-discipline will be required to complete 12 credit hours in physics courses. Up to six of these credit hours may be at the 400 level.

Other Discipline-Specific Special Requirements

Retention in Program

Ph.D. students with physics as their coordinating-unit discipline must maintain a 3.25 grade-point average. Students with physics as a co-discipline must maintain a 3.0 GPA in physics courses. A student's failure to maintain the minimum GPA will result in a probationary status for the following semester. A failure to remove the GPA deficiency during the probationary semester will then result in the student's dismissal from the Interdisciplinary Ph.D. program.

Appeals

Exceptions to any of the discipline-specific regulations must be approved by the student's supervisory committee and by the physics doctoral studies committee. In the event of disputes or special requests concerning a student's Ph.D. program, written appeals and/or documentation must first be submitted to the student's supervisory committee. If a resolution of the problem cannot be affected at that level, the written appeals process must then progress through the following levels: (1) Doctoral studies committee of the Physics Department; (2) Interdisciplinary Ph.D. Executive Committee; (3) Dean of the School of Graduate Studies.

Comprehensive Examination Guidelines

Physics as Coordinating Unit

Departmental Written Examination

During April of each year, the Department of Physics will administer a written, multi-level examination of all active M.S.-level students in physics and Interdisciplinary Ph.D. students with physics as their coordinating-unit discipline. The four-part examination will be given during four sessions of four hours each on consecutive Saturdays. Each part

of the examination will contain questions at the advanced undergraduate and graduate levels. The following subject areas will be addressed by the four parts of the examination:

1. Mechanics and mathematical physics.
2. Electromagnetism and optics.
3. Modern physics, relativity and quantum mechanics.
4. Thermodynamics, statistical mechanics and condensed matter physics.

Students may pass the written examination at the following ascending levels of achievement:

1. Master's degree passing - necessary for the M.S. degree.
2. Ph.D. qualifying - necessary for admission to or retention in the Interdisciplinary Ph.D. program.
3. Ph.D. comprehensive passing - necessary to advance to Ph.D. candidacy.

Students need only pass the written examination once at any given achievement level. But, all graduate students must attempt the exam every year until they pass it at the appropriate level, unless they are granted an exception via a petition to the physics doctoral studies committee.

A maximum of two attempts at each level will be permitted, and any student who does not attempt the examination when required to do so will be deemed to have failed the examination. Students who are required to take this examination are encouraged to consult with the Department of Physics for detailed information concerning procedures and regulations for the examination.

Comprehensive Examination by Committee

The comprehensive examination administered by the student's supervisory committee can be taken only after the student has passed the departmental written examination at the Ph.D. comprehensive level. It may be oral, written or both and may include the student's dissertation proposal and associated background material.

Physics as Co-discipline

The student's supervisory committee will determine the comprehensive examination for students with physics as a co-discipline.

POLITICAL SCIENCE

Discipline Coordinator

Max Skidmore, (816) 235-**2535**, skidmorem@umkc.edu

Doctoral Faculty Participation

David Atkinson
Robert Evanson
Robert Gamer
Kant Patel (A,D)
Max J. Skidmore (D)
G. Ross Stephens (E)

Note: The political science discipline has suspended admissions indefinitely.

Political Science is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Applicants who designate political science as their coordinating unit must have an M.A. in political science or a related field with a 3.0 GPA and scores ranking above the 70th percentile on either the verbal or the analytical section of the GRE, or a combined score of 1200 in the two sections. All applicants also must submit samples of written work, including a one- or two-page preliminary proposal for an interdisciplinary plan of study and fulfill other requirements for full admission as determined by the political science doctoral faculty.

Applicants who designate political science as a co-discipline must have earned at least a 3.0 GPA in 12 or more hours in political science or closely related courses or otherwise demonstrate sufficient background in the discipline. Applicants must also submit samples of written work, including a one- or two-page preliminary proposal for an interdisciplinary plan of study and fulfill other requirements for full admission as determined by the political science doctoral faculty.

The political science doctoral faculty will recommend to the dean of the School of Graduate Studies whether or not an applicant should be admitted. It should be understood that a student who satisfies the criteria of the School of Graduate Studies and the requirements of the Department of Political Science may or may not be granted full admission to the Ph.D. program. Availability of faculty and resources will be among the factors determining admission.

Qualifying Requirements for Full Admission

Applicants who designate political science as their coordinating-unit discipline and lack an M.A. in political science or a related field may be admitted provisionally pending completion of an M.A. in political science at UMKC. Applicants who have an M.A. in another field but lack adequate preparation in political science may be admitted provisionally pending completion of designated undergraduate courses in the discipline. For full admission, applicants must also present a master's thesis or its equivalent in graduate-level written work and demonstrate acceptable research skills.

Students who designate political science as a co-discipline but lack adequate preparation in political science may be admitted provisionally, pending completion of designated undergraduate courses in the discipline.

Suggested Compatible Co-disciplines

Economics, history, public affairs and administration, psychology, sociology and urban leadership and policy studies in education.

Core Program Requirements

Students with political science as their coordinating-unit discipline must take at least 12 hours in political science after the M.A., other than the dissertation. They also must take at least 12 hours in their co-discipline(s). If a co-discipline requires more than 12 hours, its requirement takes precedence. In general, students must take whatever specific courses are deemed necessary by their committees.

The amount of work required for the Ph.D. depends on the student's level of preparation. A student entering the Ph.D. program without an M.A. in political science may expect to do significantly more work than that required of a student with such a degree in hand.

Students with political science as their co-discipline must take at least 12 hours in political science as designated by their committees.

Comprehensive Examination Guidelines

These examinations are given twice a year. Further information is available from the department.

PSYCHOLOGY

Discipline Coordinator

Lisa Terre, (816) 235-**1066**, terrel@umkc.edu

Doctoral Faculty Participation

Terri Conley
Christopher Lovelace
Tamera Murdock
Joshua Rabinowitz
Lisa Terre

Psychology is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Note on Licensure and Use of the Term "Psychologist" or "Counselor": The Psychology discipline is NOT an appropriate choice for people who wish to practice as psychologists or counselors. Moreover, completion of an Interdisciplinary Ph.D. with Psychology as one of its components ***cannot*** be expected to legitimize the use of the title "Psychologist" or "Counselor" (which are restricted by statute). For students seeking to become license-eligible psychologists, there are two UMKC programs you may wish to consider: The Clinical Psychology Ph.D. program (in the Department of Psychology) and the Counseling Psychology Ph.D. program (in the School of Education).

The Psychology Department recognizes that combining the capabilities of doctoral faculty in more than one discipline is of great value for certain talented and creative students. Selecting psychology as a primary or secondary discipline would be appropriate for students who wish to (a) apply a psychological perspective or theory to a problem generally associated with another discipline, such as the application of social psychological theory to voting behavior (political science) or (b) Integrate knowledge from multiple disciplines to address a particular area of concern (such as combining psychology with linguistics or biology). In short, the psychology discipline is for people who wish to apply psychological perspectives and/or methods to their scholarly pursuits.

The psychology faculty who participate in the Interdisciplinary Ph.D. have a broad range of interests. However, as a small faculty, we can not cover every possible area. As such, our priority will be to take students into the discipline who have an identified area of scholarship that **complements the interests of one of our participating faculty** so that we can provide the quality of educational experience that our students deserve.

Discipline-Specific Admission Requirements

Psychology as Coordinating Unit

Psychology is appropriate as a coordinating unit for Interdisciplinary Ph.D. study for the exceptional student who has a thorough background in psychology. The following minimal requirements must be fulfilled:

1. B.S. or B.A. in psychology or an advanced degree in a related discipline (e.g., counseling, special education).
2. At least a score of 1200 on the verbal and quantitative sections of the GRE is preferred. However, applicants with scores that do not meet this criterion will be considred if there is other exceptional evidence of promise for doctoral study.
3. Undergraduate GPA of 3.0 or better.

Beyond these minimal requirements, students are considered on a case-by-case basis and are required to submit the following information in addition to the standard application for Interdisciplinary Ph.D. study and necessary supporting documentation:

1. An up-to-date resume or vitae.
2. Reprints of all publications, if applicable.
3. Detailed statement of applicant's career and professional goals.

Psychology as Co-discipline

Psychology is appropriate as a co-discipline for the exceptional student who demonstrates a clear aptitude for graduate study of psychology. The following minimal requirements must be fulfilled:

1. Minimum combined score of 1200 on the verbal and quantitative sections of the GRE. However, applicants with scores that do not meet this criterion will be considered if there is other exceptional evidence of promise for doctoral study.
2. Undergraduate GPA of 3.0.
3. B.A. or B.S. degrees in psychology are not required. However, prior to admission, students must have received a grade of B or better or the equivalent in the following undergraduate courses: Introduction to Psychology, Statistics and Experimental Psychology. Comparable coursework taken at other institutions will be considered if the coursework was recently completed.

Application Review Process and Timetable

Admission is considered for fall semester only. Application deadline is Jan. 15 for fall.

Suggested Compatible Co-disciplines

Although a wide range of disciplines are compatible with psychology (such as Curriculum and instruction, public affairs and administration, sociology, social science consortium and religious studies), as a small faculty, we can not cover every possible interest area. As noted above, our priority will be to take students into the discipline who have an identified area of scholarship that complements the interests of one of our participating faculty so that we can provide the quality of educational experience that our students deserve. Consult the discipline-specific information form (available from the graduate school) for information on which faculty may have interests in various areas.

Core Program Requirements

The following are minimum requirements for students with psychology as their **coordinating-unit** discipline:

1. Psychology 5515 Advanced History and Systems of Psychology.
2. 12 hours of coursework in statistics and research methodology (including Psychology 5516, 5517, 5601, and one additional research/statistics course approved by the student's supervisory committee). The three required statistics and research courses must be completed in the Department of Psychology at UMKC).
3. 15 hours of coursework in general breadth areas of psychology, selected from the following list: Psychology 5505, 5507, 5512, 5518, 5521, 5522, 5533, 5622, 5631, and 5632). Other courses may be substituted to fulfill this requirement, with the approval of the student's supervisory committee. Up to six of these hours may be completed as directed readings (Psychology 5597) within the student's area of specialization.
4. All students are required to complete a minimum of a one-credit-hour course on professional ethics. Students can complete this requirement by taking the courses offered by the graduate school, such as the Responsible Conduct of Research (SGS 590A, B, C, D, E, or F), or by completing another course approved by the student's supervisory committee.
5. All required courses must be completed with a grade of B- or better.
6. In addition to the above coursework, students are required to complete at least 24 hours of research credit. This will consist of 12 credits of Psychology 5590 (Directed Research), followed by 12 credits of Psychology 5699 (Research and Dissertation). At least 12 of these credits must be completed with the student's primary mentor.

The following are minimum requirements for students with psychology as their co-discipline:

1. Psychology 5515 Advanced History and Systems of Psychology.
2. Nine hours of coursework in general breadth ares of psychology selected from the following list: 505, 5507, 5512, 5518, 5521, 5522, 5533, 5622, 5631, and 5632). Other courses may be substituted to fulfill this requirement, with the approval of the student's supervisory committee. Up to three of these hours may be completed as directed readings (Psychology 5597) within the student's area of specialization.
3. All students are required to complete a minimum of a one-credit-hour course on professional ethics. Students can complete this requirement by taking the courses offered by the graduate school, such as the Responsible Conduct of Research (SGS 590A, B, C, D, E, or F), or by completing another course approved by the student's supervisory committee.
4. All required courses must be completed with a grade of B- or better.

Psychology as the coordinating-unit discipline requires a minimum of 55 total hours (including 31 didactic hours and 24 research and dissertation hours). Psychology as the co-discipline requires a minimum of 13 total hours.

Other Discipline-Specific Special Requirements

Prior to and independent of their dissertation, Interdisciplinary Ph.D. students with psychology as a coordinating or co-discipline must complete a piece of work of a psychological nature judged by their supervisory committee to be of a publishable quality. Normally this project will be completed during the student's fourth semester of enrollment in supervised research (Psych 5590).

Comprehensive Examination Guidelines

The comprehensive examination will be designed by the student's supervisory committee to demonstrate proficiency in psychological principles and their relationship to the student's co-discipline(s). A wide range of formats is acceptable for the comprehensive examination. For example, in lieu of a traditional essay exam, a student, with the approval of his or her supervisory committee, may choose to conduct an independent investigation of an approved topic within the student's area(s) of interest that results in the preparation of a publishable paper adhering to the format of *Psychological Bulletin* or *Psychological Review*. Comprehensive examinations may be integrated with those in other disciplines.

PUBLIC AFFAIRS AND ADMINISTRATION

Discipline Coordinator

Nick Peroff, (816) 235-**2341**, peroffn@umkc.edu

Doctoral Faculty Participation

Lee Bolman
Cathy Carroll (A)
Karen Cox (A)
O. Homer Erekson
Mark Funkhouser (A)
Joan Gallos
Robert Herman
Kant Patel (A,D)
Nicholas Peroff
Roger Pick
Janice Probst (A)
Rafia S. Rasu
David O. Renz
Max J. Skidmore (D)
Joseph F. Singer
Michael Song
Robyne Turner
Sidne Ward
Abigail York

Note: The public affairs and administration discipline has suspended admissions for Fall 2008.

Public Affairs and Administration is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Due to course sequencing, the doctoral faculty committee in this discipline will ordinarily only consider applications for admission for the fall term. To have their credentials included in the review process, applicants should submit GRE scores and all other necessary supporting documentation no later than Feb. 1.

The public affairs and administration (PAA) discipline in the Interdisciplinary Ph.D. program is designed to prepare students for research careers in universities, public and nonprofit agencies, or for other roles in which research training is needed. Successful applicants must show evidence of a strong interest in and ability to successfully engage in research, and when appropriate, exhibit promise as skillful teachers. Individuals who earn a Ph.D. in PAA may find positions as faculty members in colleges and universities, or research scientists in public, private or nonprofit organizations. Some graduates have become successful consultants and others hold administrative positions.

The PAA doctoral faculty does not regard research based on large numbers of cases and advanced statistical techniques as the only acceptable form of research. The faculty does expect all Ph.D. students to be competent in quantitative research and to complete an empirical study for the dissertation. The PAA faculty prefers to admit as coordinating discipline students those who have already earned a master's degree. Students with a bachelor's degree who are admitted will be expected to complete the M.P.A. as part of their Ph.D. program.

Applicants are expected to submit scores for the verbal and quantitative portions of the Graduate Record Exmination (GRE). Applicants must also submit official transcripts of coursework from all colleges and universities attended. No specific grade-point averages (GPA) are required. Admission is based on an applicant's overall record of academic achievement and the doctoral faculty's judgment of the applicant's likelihood of successfully completing the Ph.D. We expect that those admitted will have scored well on the GRE and have high GPAs.

Applicants should pay particular attention to the narrative statement that accompanies their application. The PAA doctoral faculty gives substantial weight to this statement. It should provide a clear description of the applicant's intellectual interests, how those interests evolved and should desribe the research direction(s) that the applicant intends to pursue. A good statement also discusses the fit between the applicant's interests and the resources available at UMKC (for example, it might identify faculty with whom the applicant hopes to work). Narrative statements need not be limited to one page. Applicants should provide a writing sample (such as a master's thesis or a paper from a graduate seminar) that illustrates writing skills and a potential for scholarly work. Applicants are also encouraged to seek letters of recommendation from people who can address their potential for engaging in scholarly research.

The PAA doctoral faculty seeks to admit only students whose research interests fit the interests and capabilities of the doctoral faculty. *We admit only students for whom a member of the doctoral faculty has agreed to serve as interim adviser*, and after the student's plan of study is completed, that faculty member should also be willing to serve as the chair of the student's supervisory committee. This commitment from a member of the PAA doctoral faculty applies to all applicants, whether seeking PAA as the coordinating discipline or co-discipline. Those who desire PAA as the coordinating discipline should have at least one additional PAA doctoral member agree to serve as a member of their supervisory comittee, thus, we strongly recommend that applicants communicate with PAA doctoral faculty about their interests and attempt to secure commitments from faculty to serve as adviser or committee member. Since applicants are reviewed beginning in mid-March, applicants should contact faculty by e-mail, telephone or in person before that time.

Suggested Compatible Co-disciplines

Urban leadership and policy studies in education, curriculum and instruction, economics, history, psychology, political science and sociology.

Core Program Requirements

For those students with PAA as the coordinating-unit discipline, required courses are:

- PA 5510 Research Methods in Public Administration
- PA 5525 Financial Accountability and Policy Development
- PA 5526 The Politics of Administration
- PA 5530 Capstone Seminar in Public Management
- PA 5544 Public Policy Evaluation and Analysis
- PA 5548 Leadership for Public Service
- BMA 5513 Economic Policy and Managerial Control **-or-**
  BA 5501 Economics for Administration

(Previous coursework that is substantially equivalent to any of the above courses may waive one or more of the above requirements.)

- PA 5610 Inquiry in Public Administration and Affairs
- PA 5620-A Literature of Public Affairs and Administration (emphasizing public administration and public policy)

- PA 5620-B Literature of Public Affairs and Administration (emphasizing organizational studies)
- PA 5630 Learning in Public Affairs and Administration
- PA 5631 Teaching in Public Affairs and Administration
- PA 5650 Advanced Research in Public Affairs and Administration (an optional independent study course for preparing a dissertation proposal)

Two or three courses in statistics and research methods should be selected both in relation to the student's likely dissertation topic and preparation for the student's comprehensive examination (specifically, the portion on statistics and research methods). PA 5610, PA 5620, PA 5650 and the statistics courses are required of all PAA coordinating discipline students. Students must have completed PA 5510 (or similar course) recently and obtain consent of the instructor to enroll in PA 5610. To enroll in PA 5620-A students must have completed PA 5525, PA 5526 and PA 5544 (or similar courses) recently and obtain the consent of the instructor. For PA 5620-B students must have completed PA 5548 and PA 5530 (or similar courses) recently and obtain consent of the instructor. PA 5630 and PA 5631 may be waived, depending on a student's background and career plans. In addition to the required courses, each student will typically select three or four courses relevant to the student's particular substantive interests (course requirements for the co-discipline will depend on the discipline selected and the student's preparation in that discipline). The exact courses that will constitute each student's plan of study are decided by the student's supervisory committee.

For those students with PAA as a co-discipline, the core requirements are:

- PA 5525 Financial Accountability and Policy Development
- PA 5526 Politics of Administration
- PA 5610 Inquiry in Public Affairs and Administration
- PA 5620-A Literature of Public Affairs and Administration (emphasizing public administration and public policy)
- PA 5544 Public Policy Evaluation and Analysis
- PA 5548 Leadership for Public Service
- PA 5620-B Literature of Public Affairs and Administration (emphasizing organizational studies)

Any of the above courses, except PA 5610, PA 5620-A and PA 5620-B, may be waived if a student has had substantially equivalent courses. See the section on coordinating student requirements above for a description of prerequisite courses for PA 5610, 5620-A and 5620-B. Consult with your PAA adviser and course instructor to discuss prerequisites. Typically co-discipline students are expected to complete a minimum of four public adminsitration courses, though many may be expected to complete more than four courses.

Other Discipline-Specific Special Requirements

Disciplinary Area Exams

Each student, before taking the comprehensive examination, must pass three "disciplinary area" exams. The exams are developed, administered and evaluated by committees of PAA doctoral faculty in each area, where the areas are (1) public administration and policy analysis, (2) organizational studies and (3) inquiry, research methods and statistics. Guidelines about preparing for the disciplinary examinations in organizational studies and inquiry, research methods and statistics are available. Ask your adviser for copies.

Dissertation

To successfully complete the Ph.D. program, each student must write a dissertation based on empirical research that constitutes a contribution to knowledge. Students with PAA as their coordinating discipline are expected to write dissertations that include some consideration of public management or public policy issues. The minimum number of hours for a doctoral dissertation with PAA as the coordinating discipline is 12, though some committees may require more. Ask your adviser for details.

Comprehensive Examination Guidelines

The comprehensive examination for each PAA coordinating discipline student is developed, administered and evaluated by the student's supervisory committee and is specialized for the student. Co-discipline comprehensive examinations may be required as well.

The examination for students with PAA as their co-discipline consists of two areas:

1. Public administration and policy analysis
2. Organization studies

The PAA examination is specialized for each student by PAA members of his or her committee and is assessed by the committee.

RELIGIOUS STUDIES

Discipline Coordinator
Gary L. Ebersole, (816) 235-**5704**, ebersoleg@umkc.edu

Doctoral Faculty Participation

Jeffrey Bennett
Virginia Blanton (D)
J. Bradley Chance (A)
Gary L. Ebersole (D)
David M. May (A)
Craig Prentiss (A)
Jeffrey A. Rydberg-Cox
Daniel F. Stramara, Jr. (A)
Theresa Torres (D)
George Williams(D)

Religious Studies is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Generally, students who select religious studies as a discipline must begin their work during the fall semester. Applications received by **Feb. 1** will be eligible for fellowship and scholarship consideration. Applications received after that date will be considered on a rolling basis. Except in very special situations, applications that are incomplete as of April 1 will not be considered until the following year.

In addition to the general admission criteria required of all applicants, those who choose religious studies as their coordinating discipline must:

1. Possess a master's degree in religious studies or theology, or a master's degree in any of the disciplines of the humanities or social sciences (under certain conditions, a master of divinity degree is acceptable).
2. Have earned a grade-point average of 3.5 in graduate courses.

Students who choose religious studies as a co-discipline must meet the criteria for admission specified by the School of Graduate Studies and should have some academic experience in religious studies or career experience related to religion.
All applicants must submit:

1. One or more samples of written work.
2. A brief statement of academic and professional goals.
3. A one- or two-page proposal outlining an interdisciplinary plan of study that tentatively specifies a dissertation topic or area of specialization.

Applicants are advised that meeting the criteria of the School of Graduate Studies and the discipline does not automatically result in admission to the Interdisciplinary Ph.D. program. When making recommendations to the School of Graduate Studies, the discipline's faculty steering committee considers other factors as well, particularly the availability of faculty qualified to work in the applicant's area of interest and the existence locally of necessary archival and library facilities.

Provisional Admission

Applicants who do not meet the requirements specified above may be recommended for provisional admission by the religious studies faculty. An applicant admitted provisionally will receive notification of deficiencies and of the conditions which must be met before full admission will be granted.

Suggested Compatible Co-disciplines

Curriculum and instruction, English, history, art history, political science, health psychology and sociology.

Core Program Requirements

The total number of courses and credits on the plan of study will vary depending on the student's degree of preparation prior to admission. All students are urged to take coursework in comparative studies of religion, as well as in cognate fields.

The core program requirement for a student whose coordinating-unit discipline is religious studies includes a minimum of 18 hours of coursework in religious studies, including the four core courses listed below, plus coursework in the student's co-discipline(s) [not to exceed 60 percent of the total coursework on the plan of study], and at least 12 dissertation credits.

Core Courses:

- Religious Studies 5510 - Religions of the World (three credit hours)
- Religious Studies 5584RS - Sacred Narratives and Texts (three credit hours)
- Religious Studies 5586RS - Methodological Approaches to the Study of Religion (three credit hours)
- Religious Studies 5680RS - Doctoral Colloquium (three credit hours)

The discipline's core requirement for a student whose co-discipline is religious studies includes 5510, 5584RS, 5586RS, and 5680RS, plus other courses recommended by the religious studies member(s) of the student's supervisory committee.

The student whose dissertation will have a theological or philosophical focus may be required to take the following course offered by Nazarene Theological Seminary, or its equivalent: Religious Studies 5585 - Theological Method and Research (three credit hours).

Students who have taken any of the three required 5500-level core courses prior to admission may substitute other courses approved by their supervisory committee to satisfy the core course requirement. Graduate courses offered by other area institutions that have been approved by the student's supervisory committee may also be used to fulfill the core course requirements in religious studies.

Other Discipline-Specific Special Requirements

Foreign Language Requirements

All students with religious studies as either coordinating or co-discipline and whose dissertation requires work in foreign language sources must demonstrate the requisite language competency through a special examination approved by the student's supervisory committee or an alternative demonstration of competency. In addition, all Ph.D. students must demonstrate a reading ability in either French or German.

Requirements for Retention

A doctoral student with religious studies as a discipline must maintain a 3.0 (B) grade-point average in each semester of coursework taken. A student whose term GPA falls below 3.0, or whose work is deemed unsatisfactory by his or her supervisory committee, may be placed on probation for one semester. A person receiving an F grade in a class normally will not be retained in the doctoral program.

Comprehensive Examination Guidelines

The student with religious studies as his or her coordinating discipline must take three comprehensive examinations in religious studies containing both a written and an oral component, plus an examination set by the co-discipline. The three religious studies examinations are: history and methods of the study of religion, comparative studies of religion and special area. A student's special area may be defined by religious tradition (e.g., Christianity, Judaism, Buddhism) or by geographical area (e.g., American religious history, religions of Africa, Chinese religions). The content of the comprehensive examinations will be determined by the student's supervisory committee and will vary somewhat according to the religious studies component of the student's plan of study. Students will be provided with the requirements for the comprehensive examinations at the time of admission to the Ph.D. program. Students who have religious studies as the co-discipline will take two comprehensive examinations: History and Methods of the Study of Religion and Comparative Studies of Religion. Complete information on comprehensive exams, including previous exam questions, may be found on the Religious Studies Web site.

Interdisciplinarity

Religious studies is an interdisciplinary, cross-cultural and comparative field of study. All students are expected to take coursework in a variety of traditional disciplines and to integrate the knowledge and methodological approaches used in these disciplines in their own research and writing during their graduate career and in the dissertation.

Social Sciences Consortium: Economics, Political Science and Sociology

Discipline Coordinator

Doug Bowles, (816) 235-**1394**, bowlesdh@umkc.edu

Doctoral Faculty Participation

See the individual entries for economics, political science and sociology.

Social Sciences Consortium is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

The Social Sciences Consortium is only available as a co-discipline option, not as a coordinating-unit discipline. Each participant in the consortium, economics, political science and sociology, is fully involved, as a discipline, in the Interdisciplinary Ph.D. program, with discipline-specific criteria for admission and core program requirements. In addition, however, these three disciplines have developed a special co-discipline option that blends elements of economics, political science and sociology for students who desire a broader interdisciplinary approach to their doctoral studies.

Recommendations for admission are made by a committee of doctoral faculty (from the three disciplines) which reviews all applications. After admission, the faculty committee aids in the formation of each student's supervisory committee.

Suggested Compatible Coordinating Discipline

Curriculum and instruction, economics, geosciences (with a geography focus), history, political science, psychology, public affairs and administration, sociology and urban leadership and policy studies in education.

Core Program Requirements

Students admitted with this combination of social science areas as their co-disciplines will normally take at least one doctoral-level core course in each of the three participating social science disciplines, plus two three-hour interdisciplinary social science courses. One of these interdisciplinary courses, SocSc 5561 Philosophy of Social

Science, is taken early in students' programs, and the other, SocSc 5620 Seminar in Social Theory and Policy Analysis, is taken near the end of students' programs to provide a capstone to the co-disciplines and a place to begin designing and polishing students' research proposals for their dissertations.
The discipline-specific, doctoral-level core courses are:

- ECON 5688 Colloquium on Political Economy (ECON 5551 Advanced Institutional Theory may be substituted)
- POLSC 5680 Traditions, Theories, and Trends in Political Science
- SOC 5503 Controversies in Contemporary Social Theory and Practice

Students with economics, political science or sociology as their coordinating-unit discipline may substitute a course from one of the other two disciplines or from history in place of the doctoral-level core course from their coordinating-unit discipline. The total minimum co-discipline core requirement is 15 credit hours (five courses).

SOCIOLOGY

Graduate Program Coordinator
Deborah B. Smith, (816) 235-**2529**, smithde@umkc.edu

Doctoral Faculty Participation

Leanne Alarid
Louise Arnold (A)
Barbara Bonnekessen (A)
Linda M. Breytspraak
Cathleen Burnett
Alex Holsinger
Kristi Holsinger
Shannon M. Jackson
Kenneth J. Novak
Tanya Price
Peter Singelmann
Deborah B. Smith

Sociology is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Note: The Sociology Discipline is currently accepting applications for the co-discipline only.

Discipline-Specific Admission Requirement

In addition to the general criteria for admission, applicants selecting sociology as their coordinating discipline must have an M.A. or M.S. in sociology or in a related discipline. Additionally, applicants must submit samples of written work and a preliminary proposal for their interdisciplinary plan of study (e.g., intended co-discipline, academic emphasis areas within sociology, intended dissertation research area). Applicants must also have three written recommendations from professors or practitioners in the field sent to the Admissions Office. Applicants must have a GPA of 3.0 or above in their M.A./M.S. program.

Applicants who designate sociology as a co-discipline must submit samples of written work and a brief statement (no more than three pages) indicating a preliminary proposal for their interdisciplinary plan of study (e.g., intended coordinating discipline, academic emphasis areas, intended dissertation research area). This statement should address how sociological studies will contribute to achievement of their academic and professional goals.

Applicants selecting sociology as either their coordinating unit or their co-discipline will be considered for admission only for the fall term. The deadline for receipt of completed applications and supporting documents is Feb. 1. Admissions recommendations will be made by March 15. It should be understood that meeting the minimum admissions requirements is not a guarantee of admission. Applicants must be matched to faculty resources since doctoral supervision represents a substantial commitment on the part of faculty. Applicants are strongly encouraged to talk with one or more department faculty during the application process.

Alternate Admission Criteria

Applicants not meeting the minimum admission requirements nor having sufficient academic preparation (as listed in the following section) may be considered for provisional admission by the department if the faculty sees high potential for advanced work from the other credentials of the applicant. Evidence of high potential might be pertinent work or research experience, published papers or extremely high achievements in other criterion areas for admission. In any case, the required GPA must be 3.0 or higher in the M.A./M.S. program.

Qualifying Requirements for Full Admission

Prerequisites for full admission include prior graduate courses in the following core areas:

- Classical Social Theory
- 20th Century Social Theory
- Qualitative Research Methods
- Quantitative Research Methods
- Intermediate Statistics
- M.A./M.S. thesis or a research project/report
  (SOC 5595, six additional credit hours)

Provisional admission for candidates who have not yet met these requirements will be changed to full admission when a candidate passes each of these courses with a B (3.0) or higher.

Suggested Compatible Co-disciplines

English, history, art history, religious studies, economics, political science, social science consortium, psychology, public affairs and administration and urban leadership and policy studies.

Sociology as a Co-discipline

Those students with sociology as a co-discipline will take a minimum of 15 hours in sociology. Prior to full admission, they will have been expected to have taken and passed with a minimum of 3.0 the following courses:

- SOC 5501 Social Theory I (three hours)
- SOC 5502 Social Theory II (three hours)

These two required courses are included in the 15 required hours in sociology.

Other Discipline-Specific Requirements

Students are expected to maintain a GPA of 3.0 or higher in their coursework within the Ph.D. program. If the GPA falls below this level, students will be on probation and have one semester to raise their GPA to 3.0 or above.

Comprehensive Examination Guidelines

Students with sociology as a *co-discipline* must successfully complete three hours of comprehensive written examination within a substantive area of sociology elected in the program of study.

All comprehensive examinations must have an interdisciplinary dimension in which students will be expected to demonstrate their ability to integrate and apply the

perspectives of both disciplines to social problems.

TELECOMMUNICATION AND COMPUTER NETWORKING

Discipline Coordinator
Deep Medhi, (816) 235-**2006**, dmedhi@umkc.edu

Doctoral Faculty Participation

Primary

Cory Beard
Baek-Young Choi
Deep Medhi
Kenneth Mitchell
Jerry Place

Secondary

Deb Chatterjee
Lein Harn
Vijay Kumar
Yugyung Lee
EK Park
Xiaojun Shen
Khosrow Sohraby
Appie van de Liefvoort

Telecommunication and Computer Networking is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements

Discipline-Specific Admission Requirements

A student who meets the minimum discipline requirements stated below will be considered for regular admission to the Ph.D. program. A student who does not meet some of the requirements but shows high potential for advanced-level work may be considered for provisional admission. Admission also depends on factors such as number of seats available, resources available in the area of student's interest, the quality of previous work, etc. A student not qualifying for admission to the Ph.D. program may be considered for admission to the M.S. computer science or electrical engineering program. Requirements for admission are similar whether the applicant is requesting telecommunication and computer networking as the coordinating discipline or co-discipline.

Academic Preparation

The applicant must have a bachelor's degree and/or a master's degree in computer science, computer engineering, electronics, communications engineering or any other field requiring substantial training in at least one of the above fields and in mathematics with a GPA of 3.5 or better, cumulative as well as in the major field; and a GPA of 3.5 or better in all post-baccalaureate or post-master's degree work.

Aptitude for Advanced Work

The student must demonstrate an aptitude for advanced-level work through national/international standardized examinations such as the GRE. The expected performance level is the 85th percentile in the quantitative portion of the GRE examination.

Proficiency in English

The student must demonstrate his or her proficiency in oral and written communication in English through national/ international standardized English examinations such as TOEFL, verbal portion of the GRE, etc. The expected proficiency level is the 50th percentile in the verbal portion of the GRE or a TOEFL score of at least 550 on the paper-based test or 213 on the computer-based test. For tests taken after Sept. 26, 2005, the minimum required score is 80. UMKC students may also satisfy this requirement by obtaining an English Proficiency Certification from the English Department.
Note: As per University policy, all international students are tested for proficiency in English upon arrival on campus, irrespective of their scores in TOEFL or verbal portion of GRE, or any other test. A student's adviser may also require the student to take the above test, irrespective of the student's native language. As a result of this test, the student may be required to improve his or her oral and written communication in English before enrollment in the courses of the chosen disciplines.

Recommendations

The student must provide at least **three** recommendation letters from the professors from his or her previous institution(s). If the applicant has been out of school for several years, recommendation letters from his or her supervisors (technical) will be acceptable. However, even in this situation, a recommendation letter from his or her last academic institution is highly recommended. A recommendation from a faculty member in the Computer Science Electrical Engineering (CSEE)Departmentat UMKC must be provided if the student has taken courses from or worked with the CSEE faculty.

Statement of Goals and Objectives

The applicant must provide a 250- to 500-word essay on his or her goals and objectives of pursuing the Ph.D. in the chosen fields.

Admission at an Advanced Level

An applicant who has already completed significant graduate coursework (15 or more semester hours of the post-master's work or 30 or more hours of the post-bachelor's work) toward a Ph.D. at another institution must provide reasons for changing institutions. The applicant must also provide a letter of endorsement from a doctoral faculty member in telecommunication and computer networking indicating willingness to be the student's research adviser.

Alternate Admission Criteria

The applicant may have received a bachelor's degree or a master's degree in computer science, computer engineering, electrical engineering or electronics or any other related field with substantial training in mathematics. An applicant not meeting the minimum admission requirements, or not having sufficient academic preparation (stated below under prerequisite knowledge) for advanced work in the chosen discipline(s), may be considered for provisional admission by the CSEEDepartment'sPh.D. committee if the committee sees high potential for advanced work from the rest of the applicant's credentials. Evidence of high potential might be pertinent work experience, published papers or extremely high achievement in related areas. In any case, the required GPA (or GPAs) must be at least 3.0 and the coursework deficiencies in software architecture must not be more than 18 semester hours. Applicants with an established research or publication record in a quantitative science are encouraged to apply to this discipline.

Qualifying Requirements for Full Admission

Prerequisite Knowledge

A Ph.D. student selecting telecommunication and computer networking as the coordinating discipline is expected to have the level of preparation represented by the following courses before attempting advanced study. Every student must have coursework in mathematics at Math 250 or above level, and at least five of the following course sequences (or their equivalent):

- CS 291 Discrete Structures II
- CS 352 Data Structures and Algorithms
- ECE 380 Signals and Systems
- CS 394R Applied Probability
- CS 420 Introductory Networking and Applications
- CS 421A/ECE 476 Foundations of Data Networks/Introduction To Wireless Communication Systems

- CS 431 Introduction To Operating Systems
- ECE 474/CS 411 Introduction To Communication Systems/Introduction To Telecommunications Systems
- CS 481/ECE 426 Advanced Computer Architecture/Microcomputer Architecture and Interfacing

A Ph.D. student selecting telecommunication and computer networking as a co-discipline is required to have at least three of the CS/ECE courses listed above.

Length of Time to Complete Qualifying Requirements

When a student is admitted provisionally, theCSEE Ph.D. committee will specify, and the UMKC Interdisciplinary Executive Committee will confirm, the conditions and length of time available to satisfy conditions to achieve regular-admission status.

Suggested Compatible Co-disciplines

Computer science, electrical and computer engineering, mathematics, physics, engineering (civil and mechanical focus), geosciences and economics. A co-discipline outside of this list may be considered only in exceptional cases.

Core Program Requirements

The amount of work required for the Ph.D. depends on the student's level of preparation. For example, a student entering the Ph.D. program after earning a bachelor's degree may expect to do significantly more work compared to a student who enters after earning a master's degree.

Qualifying and Comprehensive Examination Guidelines

The Qualifying Exam is a written test administered by the CSEE Department's Ph.D. committee. The test questions are from a set of fundamental courses spanning computer science, electrical and computer engineering, and telecommunication and computer networking The Comprehensive Exam is administered by the doctoral committee of the candidate. A student can either take a written test or opt for an oral presentation covering both coordinating and co-discipline areas. Discussion with and agreement from the student's doctoral committee is required before choosing the best option.

The candidates should contact the CSEE Division office and the chair of their doctoral committee for more information.

Telecommunication and Computer Networking as a Co-Discipline

The student who chooses telecommunication and computer networking as a co-discipline may obtain information on qualifying and comprehensive exams requirements from the discipline coordinator.

Financial Aid

Various forms of financial aids (such as graduate research assistantships, graduate teaching assistantships, graduate fellowships) are available through the Computer Science and Electrical Engineering Department and the School of Graduate Studies. Contact the discipline coordinator for more information.

URBAN LEADERSHIP AND POLICY STUDIES IN EDUCATION

Discipline Contact

Debbie Morrow, (816) 235-**2716**, morrowd@umkc.edu

Doctoral Faculty Participation

Bonita Butner
Loyce Caruthers
Donna Davis
Jennifer Friend
Juan Carlos Gonzalez
Larry Gregg
Steven LaNasa
Stuart A. McAninch
Dianne Smith (D)
Carolyn Thompson
Sue Thompson

Urban Leadership and Policy Studies in Education is a discipline in the Interdisciplinary Ph.D. Program administered by the School of Graduate Studies.
Note: The discipline-specific requirements listed here are *in addition* to the requirements listed in Interdisciplinary Ph.D. Application Procedure and Minimum Criteria for Admission and Minimum Interdisciplinary Ph.D. Academic Regulations and Degree Requirements earlier in this section.

Discipline-Specific Admission Requirements

Applicants who designate urban leadership and policy studies in education as their coordinating unit will be expected to have a grade-point average of at least 2.75 (on a 4.0 scale), covering all college work taken prior to the bachelor's degree, or a GPA of at least 3.5, covering all post-baccalaureate work completed to date.

Applications are normally only reviewed once a year, for admission beginning with the next summer or fall term. To be considered, applications must be submitted to the Admissions Office by Feb. 15. All required application documentation must be received by March 1.

The applicant must provide the following supplementary documentation:

1. Written recommendations from appropriate professors and practitioners in the field (selected by the applicant).
2. An autobiographical sketch. (This should be a brief resume of academic and professional goals and the applicant's personal, academic and career history as it relates to those goals. It should also include reasons for choosing urban leadership and policy studies in education as a field of study.)
3. Evidence of graduate-level writing ability provided by writing samples, prior scholarly writing or the successful completion of an essay examination.

Applicants are required to provide official GRE test scores. GRE scores will be used by doctoral faculty in the discipline as one of several criteria used to evaluate the strength of the application. No other assessment results will be substituted for the GRE. When evaluating applications, faculty members will take into account evidence in the applications of such factors as demonstrated leadership skills, commitment to education, communication and academic skills, a clear and important research agenda, cultural background, etc. There is no minimum aggregate GRE score required for applications to be considered for urban leadership and policy studies in education. Applicants must meet the GRE requirements for their other discipline.

In addition, an applicant, the applicant's adviser or any member of the division may request that the applicant meet with and be interviewed by the division faculty.

Alternate Admission Criteria

International applicants will be considered for admission to the Ph.D. program on the basis of background, experience and educational attainments in their home countries. Exceptions to the general criteria for admission to Interdisciplinary Ph.D. study may be made for students whose potential for success in the doctoral program may not be reflected in the general criteria.

Qualifying Requirements for Full Admission

In some cases, the division may ask that 12 hours of work at UMKC, including an education foundations course, be taken prior to full admission.

Students admitted under alternate criteria will be notified upon acceptance of any coursework deficiencies they must satisfy or other preparation they must undertake prior to full admission.

Suggested Compatible Co-disciplines

Curriculum and instruction, public affairs and administration, history, economics, political science, the social science consortium and sociology.

Core Program Requirements

Students with urban leadership and policy studies in education as a co-discipline will be required to take a minimum of 15 credit hours of core courses. The core curricula will vary, depending on whether students' research is primarily in educational leadership or the social-philosophical foundations of education and on the types of educational setting upon which they wish to focus. Specific courses will be selected with the advice and consent of the student's faculty adviser and supervisory committee. The supervisory committee may elect to accept coursework in an educational-specialist program or other post-master's degree program as counting toward the 15-credit-hour requirement.

Students seeking administrative certification for public school positions should check with their advisers to be sure they include all courses currently required in the states in which they wish to become certified.

The amount of required coursework, beyond the minimum 15-credit-hour core requirement, taken by students with urban leadership and policy studies in education as their coordinating-unit discipline, will depend upon their previous preparation in the discipline, their previous research competencies, their personal career goals and their research interests.

All students with urban leadership and policy studies in education as either the coordinating-unit discipline or the co-discipline are required to take and complete EDUL 5685, the seminar on problems and issues in education and urban leadership.

Other Discipline-Specific Special Requirements

The student, at a minimum, will be required to take and complete 12 hours of coursework that provides extensive preparation in research methodologies relevant to her or his professional goals and intended dissertation project. The student will select specific courses with the advice and consent of her or his faculty adviser and supervisory committee. Typical courses which would satisfy this requirement include (but are not limited to): EDRP 5505, EDRP 5508, EDRP 5605, EDRP 5608, EDRP 5610, Hist 5591, Hist 5687, Soc 5510, Soc 5511, Soc 5512, EDUL 5601 and EDUL 5603.

Comprehensive Examination Guidelines

Students with urban leadership and policy studies in education as the coordinating-unit discipline must pass a comprehensive examination including both the coordinating-unit discipline and the co-discipline areas.

Law, School of

SCHOOL OF LAW

- Juris Doctor Program

- Academic Program
  - Student Learning Outcomes
  - Graduation Requirements
  - Required Courses
- Business & entrepreneurial Law Emphasis Area
  - General Requirements
  - Curriculum Requirements
- Child and Family Law Emphasis Area
  - General Requirements
  - Curriculur Requirements
- Litigation Emphasis Area
  - General Requirements
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- Urban, Land Use and Environmental Law Emphasis Area
  - General Requirements
  - Curriculur Requirements
- J.D./MBA and J.D./M.P.A. Combined-degree Programs
- Combined-Degree (J.D./LL.M.) Programs
- Master of Law Degree
  - Master of Law Degree Requirements
    - Combined J.D./LL.M. Degree Programs
    - Curriculum, Master of Laws (Taxation)
    - Curriculum, Master of Laws (General)
    - Curriculum, Master of Laws (General) with Estate Planning Concentration
    - Curriculum, Master of Laws (Urban Affairs)
    - LL.M./M.P.A. Joint Degree Program

ACADEMIC PROGRAM

Description of Program

The school's juris doctor degree program is designed to prepare students for the general practice of law and for policy-forming functions in government, business and other organizations in society. Courses provide students with a basic knowledge of the principles and processes of the Anglo-American system of law and of the integration of law into other disciplines and institutions.

The curriculum and program recognize that in order to be of the utmost service to clients, the lawyer must "see life whole" and appreciate the relationships among legal, social and political aspects of human endeavor. They also recognize that the best interests of society require a lawyer to be a thinker and scholar as well as a skilled technician.

Both the curriculum and methods of instruction are designed to meet these objectives. Although the casebook method is the predominant form of classroom instruction in larger classes, the faculty also employ other approaches. Classes such as lawyering skills, negotiating mergers and acquisitions, mediation, and law practice management combine theory with opportunities to learn about lawyering first-hand. Many of the classes use documents and "real life" problems to demonstrate concepts studied in class. The curriculum also includes opportunities for research and writing, seminar discussions, clinical instruction and skills training.

STUDENT LEARNING OUTCOMES

Graduates will be prepared for admission to the Bar and effective and responsible participation in the legal profession and in their communities.

Graduates will demonstrate effective problem-solving skills by:

- Critically examining complex facts.
- Identifying client needs and determining legal issues.
- Efficiently finding relevant law, policy and factual information.
- Applying appropriate legal rules and standards to the problem.
- Generating alternative solutions and developing plans for implementation.
- Continually reviewing and reassessing a plan of action.

Graduates will demonstrate effective communication skills by:

- Communicating appropriately and effectively with relevant audiences.
- Relating effectively to professionals from other disciplines.
- Writing and speaking clearly.
- Demonstrating cultural sensitivity.

Graduates will demonstrate entry-level competence in legal skills by:

- Identifying appropriate forums and means for resolution of legal problems.
- Being able to determine legal issues for analysis and research.
- Possessing elementary skills in interviewing, counseling and negotiation.
- Drafting documents to implement basic legal transactions.
- Dealing sensitively with people in conflict.

Graduates will demonstrate knowledge of the practice of law by:

- Being aware of career and job options in law practice.
- Having systemic knowledge of legal bibliography and resources.
- Possessing basic skills to enter practice as an associate.
- Having knowledge of basic techniques of law practice operation and management.

Graduates will demonstrate commitment to justice, competence and service to the profession and the community by being:

- Aware of the history and values of the legal profession.
- Committed to ethical practice.
- Aware of the rules governing the profession.
- Able to critically assess laws and rules and propose alternatives.
- Committed to lifelong learning and self-development.
- Appreciative of the value of ideological and cultural diversity.

GRADUATION REQUIREMENTS

The requirements for the J.D. degree:

1. Completion of 91 credit hours, 80 of which must be classroom credits.
2. A cumulative GPA of at least 2.0 (see Administrative Rules and Regulations, Scholastic Probation and Dismissal, in this section).
3. Six semesters in residence carrying not less than 10 classroom credit hours each semester. Although three years of law study are usually required, students may graduate in two and one-half years. To do so requires attending at least two summer sessions. Each summer session may be considered one-half a semester for residency purposes, provided at least 10 classroom hours are completed in the two summer sessions.
4. Completion of all required courses (see Required Courses in this section).
5. Fulfilling the school's research and writing requirement. This requires students to have a rigorous writing experience evidencing legal analysis resulting in a paper of professional quality.
6. Regular and punctual class attendance.
7. Successful completion of all coursework within five years from the day students began their course of studies leading toward the degree. A student will not be allowed to enroll in any course after the five-year period.

REQUIRED COURSES

First Year Required Courses

All students must complete the following required courses during the first year:

Full-Time Progress

Fall Semester (15 credit hours)

Contracts I	(3)
Criminal Law	(3)
Introduction to Law and Lawyering Processes I*	(3)
Property I	(3)
Torts	(3)

Spring Semester (14-15 credit hours)

Civil Procedure I	(3)
Constitutional Law I	(3)
Contracts II	(3)
Introduction to Law and Lawyering Processes II*	(2-3)
Property II	(3)

Part-time Progress

Students enrolled on a part-time basis must take three of the required courses, including Introduction to Law and Lawyering Processes, in their first year. The remaining courses must be completed in their second year of study.

* Introduction to Law and Lawyering Processes I and II: These two first-year courses introduce students to legal reasoning; analytical and critical thinking; case research and analysis; legal writing, including office memoranda, briefs and letters to and on behalf of clients; advocacy; and all forms of legal research. They offer education in many of the fundamental skills and processes of legal practice through a combination of lecture classes and small group sessions. They are required of all first-year law students in

order to supply a strong foundation of thinking, research and writing skills upon which all later, advanced courses will depend. In the second semester, some students will be assigned to, and others will have the option to elect, analytical sections of Introduction to Law (Intro Plus) to obtain more intensive instruction and practice in legal analysis and problem-solving.

Other Required Courses

Students must complete the following courses as a condition of graduation:

Required to be Taken During the Summer Preceding or Fall of Second Year:

Business Organizations	(4)
Federal Taxation	(3)
Civil Procedure II	(2)

Required to be Taken During the Summer Preceding or Spring of Second Year:

Evidence	(3)

Required to be Taken During the Second or Third Year:

Criminal Procedure I	(3)
Commercial Transactions, Sales and Leasing or Secured Transactions	(3)
Professional Responsibility	(2)
A course that fulfills the school's jurisprudential requirement	(2-3)

Required to be Taken at any Time Prior to Graduation and May be Taken During the Second Semester of the First Year:

A course that fulfills the school's advanced torts requirement	(3)

GENERAL REQUIREMENTS

Minimum Total Hours Required

The program will require a minimum of 15 hours of approved courses. Group A contains the courses that are "Required." Group B is a list of courses that students may choose among, designated as the "Grouped Required" courses. Students must take at least three of the courses from the Group B list.

Any course in Group A or B may be counted toward the required total hours even if it is also used to satisfy the student's Research and Writing Requirement.

Writing Requirement

Students must complete an academic research paper of high professional quality, sufficient to meet the Research and Writing Requirement standards of publishable quality, concerning a business or entrepreneurial law topic. The research paper must be certified as acceptable by one of the Emphasis Area Faculty Advisors. Students may fulfill this requirement in conjunction with any of the Group A or B courses, or independently as part of the general Research and Writing Requirement, as part of an Independent Study option, through one of the Law Schools' journal offerings, or through a research project pursued at the Center for the City at UMKC. There is no separate requirement that the research paper be graded.

Practical Skills Component

Students must complete at least one course containing a substantial practical skills component. The following courses satisfy this requirement:

- Business Planning
- Negotiating Mergers & Acquisitions
- Real Estate Transactions Planning Workshop
- Entrepreneurial Law Clinic
- Advanced Legal Drafting (Business)

The requirement may be met by other internships, externships, simulation courses, drafting courses, or other courses designed to provide exposure to the type of work commonly performed by lawyers in the business and entrepreneurial law field, as the Emphasis Area Faculty Advisors may find acceptable. It is intended that courses fulfilling this requirement will include at least one business drafting exercise.

Ethics Component

Each academic year, the Emphasis Area Faculty Advisors will provide four contact hours of lectures, seminars or workshops dealing with ethical issues that frequently arise in the business and entrepreneurial law field. Each student must complete this ethics requirement.

Research Component

All Emphasis Area Students must complete an advanced research offering which will provide advanced skills in research in the business and entrepreneurial law field. This may entail a separate one hour course of study, a one hour component of an existing course, or separate lecture, seminar or workshop offerings as designated by the Concentration Faculty Advisors.

CURRICULUM REQUIREMENTS

Prerequisites or Co-requisites

- Business Organizations
- Federal Taxation

Required Courses(Group A)

- Securities Regulation

- Legal Accounting (or other approved accounting education)
- Either Taxation of Business Organizations or Corporate Tax I and Partnership Tax
- Either Secured Transactions or Real Estate Finance

Grouped Required courses (Group B) (Must take three courses)

- Business Planning
- Real Estate Finance
- Real Estate Transactions (May not count both Real Estate Finance and Real Estate Transactions.)
- Negotiating Mergers and Acquisitions
- Secured Transactions (If not taken to satisfy the UCC requirement or as a Group A course)
- Commercial Transactions (If not taken to satisfy the UCC requirement)
- Sales and Leasing (If not taken to satisfy the UCC requirement)
- Debtor/Creditor
- Problems in Bankruptcy (May not count both Debtor/Creditor and Bankruptcy.)
- Entrepreneurial Law/Practice Clinic
- Alternative Dispute Resolution
- International Business Transactions
- Labor Law
- Employment Discrimination Law
- Employment Law (No more than one course of the group including Labor Law, Employment Discrimination Law and Employment Law may be counted.)
- Administrative Law
- Intellectual Property Copyright Law (May not count both Intellectual Property and Copyright Law.)
- Antitrust and Competition Law
- Tax-Exempt Organizations

The above requirements are in addition to any hours received in connection with the Writing Component (unless done in connection with a listed course), any hours received for the Advanced Research Component, or for the Ethics Component. In addition, a course shall not be required for any student who has not had a reasonable opportunity to take the course due to limited enrollment, or due to the fact that the School has not offered the course at least once after the student has been admitted to the program.

General Requirements

Minimum Total Hours Required

The program will require a minimum of 15 hours of approved courses. Group A contains the courses that are "Required." Group B is a list of courses that students may choose among, designated as the "Grouped Required" courses. Students must take at least three of the courses from the Group B list.

Any course in Group A or B may be counted toward the required total hours even if it is also used to satisfy the student's Research and Writing Requirement.

Writing Requirement

Students must complete an academic research paper of high professional quality, sufficient to meet the Research and Writing Requirement standards of publishable quality, concerning a business or entrepreneurial law topic. The research paper must be certified as acceptable by one of the Emphasis Area Faculty Advisors. Students may fulfill this requirement in conjunction with any of the Group A or B courses, or independently as part of the general Research and Writing Requirement, as part of an Independent Study option, through one of the Law Schools' journal offerings, or through a research project pursued at the Center for the City at UMKC. There is no separate requirement that the research paper be graded.

Practical Skills Component

Students must complete at least one course containing a substantial practical skills component. The following courses satisfy this requirement:

- Business Planning
- Negotiating Mergers & Acquisitions
- Real Estate Transactions Planning Workshop
- Entrepreneurial Law Clinic
- Advanced Legal Drafting (Business)

The requirement may be met by other internships, externships, simulation courses, drafting courses, or other courses designed to provide exposure to the type of work commonly performed by lawyers in the business and entrepreneurial law field, as the Emphasis Area Faculty Advisors may find acceptable. It is intended that courses fulfilling this requirement will include at least one business drafting exercise.

Ethics Component

Each academic year, the Emphasis Area Faculty Advisors will provide four contact hours of lectures, seminars or workshops dealing with ethical issues that frequently arise in the business and entrepreneurial law field. Each student must complete this ethics requirement.

Research Component

All Emphasis Area Students must complete an advanced research offering which will provide advanced skills in research in the business and entrepreneurial law field. This may entail a separate one hour course of study, a one hour component of an existing course, or separate lecture, seminar or workshop offerings as designated by the Concentration Faculty Advisors.

Curriculur Requirements

Of the 19 hours required for the emphasis, the student must complete

- The basic family law course (three credit hours).
- A minimum of six hours of clinical credit (described below).
- At least six credit hours from a list of core curriculum (listed below).
- At least four credit hours which may be taken from other core curriculum courses or a list of elective courses (listed below).

Prerequisite Course

All students in the emphasis must take Family Law. Because this foundation course is a prerequisite for most other courses in the concentration, students accepted for the concentration will be given a priority in enrollment in the course.

Core Courses

Students must take at least six credit hours chosen from the classes listed below:

- Children in the Law
- Juvenile Offenders & The Law
- Family Violence
- Family Law Practice
- Estate Planning and Drafting
- Gender and Justice

Clinical Component

All students in the Child and Family Law program must take at least six credit hours of clinical coursework. This coursework may consist of

- Family Law Clerkship
- Child & Family Services Clinic
- Legal Aid Clinic
- Internship
- Guardian Ad Litem Workshop

Elective Courses

- Mediation
- Workshop on Current Issues in Family Law
- Alternative Dispute Resolution
- Elder Law For Estate Planners
- Disabilities and the Law
- Immigration Law and Process
- Education Law: Government & Legal Aspects of Education
- Independent Study (if approved by Child and Family Law adviser on the basis that the course of study relates directly to the emphasis area)
- Law Review (if approved by Child and Family Law adviser on the basis that the student's note or comment relates directly to the emphasis area)

Any other law school course if, before beginning the course, the students obtains written approval from the Child and Family Law Faculty. Such approval shall not be granted unless the Child and Family Law Faculty find that, in light of the student's other courses and the student's goals in the emphasis study, the course will advance the student's study of Child and Family Law to an extent equivalent to other Child and Family Law electives.

Courses may be added or deleted from the lists contained in sections A through C above with approval of the Child and Family Law Faculty and the Law School faculty.

GENERAL REQUIREMENTS

Minimum Total Hours Required

1. A student must take a total of at least 26 hours in approved courses. Approved courses are those listed as "Required Courses," "Grouped Required Courses" and "Elective Courses".
2. No more than three hours of required upper-level courses, (including those used by the student to satisfy the UCC or Jurisprudence requirement) may count toward the required 26 hours.
3. A course (including Law 746) used to satisfy the student's writing requirement (see below) may be counted toward the total hours requirement even if it is also used to satisfy the student's Research and Writing Requirement.

Writing Requirement

1. Each student in the program must complete a written project, approved by an emphasis area supervisor, on a topic dealing directly with litigation.
2. The written project must be of a scope and quality that would satisfy the law school's research and writing requirement for a J.D. degree.
3. The written project may satisfy both the program's requirement and the J.D. requirement.

Practical Skills Component

All students in the program must take at least two of the following courses:

- Advanced Legal Writing: Litigation Drafting
- Appellate Advocacy II
- Appellate Advocacy III
- Appellate Advocacy IV
- Trial Advocacy I
- Trial Advocacy II
- Trial Advocacy III

Ethics Component

1. Each student in the program must participate in at least one, half-day, non-credit workshop on ethical issues for litigators.
2. Workshops will be organized by the program advisers and conducted by faculty, practicing lawyers, or judges.

Research Component

1. Each student in the program must participate in at least one, half-day, non-credit workshop on research materials and sources frequently consulted by litigators on issues directly related to the litigation process.
2. Workshops will be organized by the program advisers and the librarians. They will be conducted by faculty, librarians, practicing lawyers or judges.

Supervising and Advising Component

1. Each student in the program will be assigned an emphasis area adviser.
2. Each student in the program must meet with his or her adviser not less than twice a semester.

CURRICULUR REQUIREMENTS

Distribution of Courses

A. Required Courses: All students in the program must take each of the following courses:

- Civil Procedure I
- Civil Procedure II
- Criminal Procedure I
- Evidence

B. Grouped Required Courses: All students in the program must also satisfy the Core Course Requirement, the Advanced Course Requirement, and the Skills Requirement set forth below:

1. Core Course Requirement: All students in the program must take at least two of the following core courses:
    - Conflict of Laws
    - Federal Jurisdiction
    - Remedies
    - Criminal Procedure II
2. Advanced Course Requirement: All students in the program must take at least one of the following advanced courses:
    - Alternative Dispute Resolution
    - Civil Procedure III-Post Trial Issues

- Civil Rights Litigation
- Complex Litigation
- Criminal Trial Techniques
- Mediation
- Professional Malpractice Litigation

3. Skills Requirement: All students in the program must take at least two of the following courses:

- Advanced Legal Writing: Litigation Drafting
- Appellate Advocacy II
- Appellate Advocacy III
- Appellate Advocacy IV
- Trial Advocacy I
- Trial Advocacy II
- Trial Advocacy III

C. Electives: The following electives may also help satisfy the minimum total hours requirement:

1. Clinics and Externships

- Bankruptcy Court Clerkship
- Child and Family Services Clinic
- Court Clerkship
- Death Penalty Clinic
- Department of Labor Clinic
- Family Law Clerkship
- Federal Public Defender Externship Clinic
- Legal Aid Clinic
- National Labor Relations Board Clinic
- Public Defender Trials Clinic
- United States Attorney's Office Law Clinic
- Wrongful Convictions II

2. Other Coursework

- Administrative Law
- Advanced Lawyering Processes (second semester only)
- Criminal Trial Techniques
- Criminal Sentencing Law Practice & Procedure
- Employment Discrimination
- Family Law Practice
- Famous Trials
- Independent Study (if approved by student's emphasis area adviser on the basis that the course of study relates directly to litigation)
- The Jury: Practice and Perspectives
- Law Review (if approved by student's emphasis area adviser on the basis that the student's note or comment relates directly to litigation)
- Legal Research (if approved by student's emphasis area adviser on the basis that the student's writing relates directly to litigation)
- Missouri Civil Procedure
- Seminar in the Ethics of Criminal Advocacy
- Wrongful Convictions I
- Wrongful Convictions II
- Any other course if, before beginning the course, the student obtains written approval from both the emphasis area litigation adviser committee and the student's emphasis area adviser. Such approval shall not be granted unless the committee and the adviser find that, in light of the student's other courses and the student's litigation-related goals, the course will advance the student's study of litigation to an extent equivalent to other litigation electives.

D. Courses may be added or deleted from the lists contained in sections A through C above with approval of the litigation emphasis area adviser committee and the faculty.

GENERAL REQUIREMENTS

Minimum Total Hours Required

Students must complete seven of the listed courses: students must complete all courses in Group A, three courses from Group B and one course from Group C. All courses must be taken for a grade (with the exception of those courses for which a grade option is not available). Course work satisfying this requirement must total at least 15 hours.

Writing Requirement

Students must complete an academic research paper of high professional quality concerning a topic within the field of the emphasis area. They may fulfill this requirement in conjunction with any of the listed courses, or as part of the Research and Writing requirement, as part of an Independent Study option, through one of the Law School's journal offerings, or through a research project pursued at the Center for the City at UMKC. Unless written to meet the R&W requirement, the paper must be written for a grade. Advance approval of the topic and faculty adviser is required by one of the land-use and environment faculty.

Practical Skills Component

Students must participate for at least one semester in a practical skills component. The following opportunities satisfy this requirement: the EPA Law Clinic, Region VII; the EPA Law Clinic, Agricultural Center; or a service placement with the Center for the City at UMKC. Participation in the EPA Law Clinics can simulataneously be used to satisfy the minimum hours requirement.

Ethics Component

Ethical considerations will be incorporated into the listed emphasis area courses.

Research Component

All students in the program must complete an advanced research offering which will provide advanced skills in research in the urban, land use and environmental law field. This may entail a separate course of study, a component of an existing course, or separate lecture, seminar or workshop offerings as designated by the Program Faculty Advisors.

CURRICULUR REQUIREMENTS

Group A: Core Courses (must take all)

- Administrative Law
- Environmental Law
- Land Use Planning

Group B: Specialized Courses (must take three)

- Air & Water Regulation
- Cities and the Environment "J"
- Current Issues in Property Law Seminar
- Environmental Law Seminar
- International Environmental Law
- Law and the American Indian
- Natural Resources Law
- Preservation Law
- Seminar in Urbanization
- State & Local Government Law
- Toxic Torts
- Urban Lawyer Board
- U.S. Environmental Protection Agency Law Clinic: Region VII Headquarters
- U.S. Environmental Protection Agency Law Clinic: National Agricultural Compliance Assistance Center
- Water Law

Group C: Related Law Courses and Interdisciplinary Courses (must take one)

- Alternative Dispute Resolution (2)
- Complex Litigation (3)
- Economics and the Law (2) "J"
- Federal Jurisdiction (3)
- Legislation (3)
- Real Estate Finance (3-4)
- Real Estate Transactions (2)
- State and Local Government Tax (2-3)
- Biogeography and Landscape Ecology (3) (Department of Geosciences)
- Managing Urban Economic Development (3) (Bloch School)
- Urban and Regional Planning for Urban Administrators (3) (Bloch School)
- Urban Planning Theory and Practice (3) (Department of Architecture)
- Urban Planning and Design (This course would have additional assignments for law students)

J.D./MBA AND J.D./M.P.A. COMBINED-DEGREE PROGRAMS

The School of Law has established combined-degree programs with the Henry W. Bloch School of Business and Public Administration. The program allows students to earn a juris doctor degree and a master of business administration or a master of public administration degree on an accelerated basis through cross-acceptance of some credit hours.

Applicants to the program must satisfy the admission requirements of each school and, if admitted into the program, may enroll in the first year of law school either before or after beginning M.B.A. or M.P.A. courses. Further information on admission and dual-degree requirements is contained on the School's Web site at http://www1.law.umkc.edu/Academic/index.htm.

COMBINED-DEGREE (J.D./LL.M.) PROGRAMS COMBINED J.D./LL.M. DEGREE PROGRAMS

Qualified J.D. students will be permitted to apply up to 10 credit hours (12 with the permission of the Graduate Studies Committee) of UMKC graduate courses approved for this purpose toward an LL.M. (Taxation) or LL.M. (General) with Estate Planning Emphasis degree as well as toward a J.D. degree. This will allow students to earn such LL.M. on an accelerated basis, generally requiring only one additional semester (or two summer sessions) beyond that required for the J.D. degree.

The program is available to qualified students who begin their legal studies at the UMKC School of Law, who transfer to the school or who attend as visiting/certification students during their fifth or sixth semester of law study. For further information on admissions and combined degree requirements, contact the School of Law's Admissions Office or the programs by e-mail at UMKC-LLMTax@umkc.edu.

CURRICULUM, MASTER OF LAWS (TAXATION)

Required Courses (15 credit hours)

Law 8834 Tax Procedure	(2)
Law 8838R Tax Practicum	(1)
-or-	
Law 8746R Tax Research	(1)
Law 8886 Corporate Taxation I	(3)
Law 8887 Corporate Taxation II	(3)
Law 8888R Partnership Taxation	(3)
Law 8893R Taxation of Property Transactions	(3)

Elective Tax Courses

Law 8611R Dispositions and Succession Planning of Business Interests	(1)
Law 8612R Estate Planning with Life Insurance	(1)
Law 8613R Special Problems in Estate Planning	(1)
Law 8614R Estate Planning for Retirement Plan Benefits	(1)
Law 8615 Estate Planning and Practice	(2-3)
Law 8615R Estate Planning for Charitable Giving	(1)
Law 8616R Fiduciary Administration for Estate Planners	(1)
Law 617R Elder Law for Estate Planners	(2-3)
Law 746R Independent Study (tax topic)	(2)
Law 757R Entrepreneurial Clinic	(2)
Law 834R Tax Clinic	(1-3)
Law 838 Tax Accounting	(1-3)
Law 838R Tax Practicum	(1)

Law 8843 Federal Income Taxation of Trusts and Estates (2)
Law 8845 Deferred Compensation (2)
Law 8848R State and Local Taxation (2-3)
Law 8868 Trusts: Planning, Drafting, Administering & Litigating (2-3)
Law 8868R Valuation for Transfer Tax Purposes (2-3)
Law 8874 Tax-Exempt Organizations (2)
Law 8889 International Taxation (3)
Law 8892R Taxation of Estates, Gifts and Trusts (3)
Law 8894R Tax Aspects of Bankruptcy (2)

Other Courses

The UMKC graduate studies committee may approve up to six credit hours from other UMKC Law School course offerings or from the interdisciplinary offerings of other UMKC graduate and professional schools. However, such courses may not be required or basic bar examination J.D. courses.

CURRICULUM, MASTER OF LAWS (GENERAL)

Program Requirements

There are no specific course requirements. Rather, the course of studies is one developed by the student and his/her adviser based upon a set of courses related to a specific thematic goal and approved by the graduate studies committee. It must include a thesis related to the subject area chosen.

Jurisprudential Requirement

Students must take one jurisprudential course approved by their adviser.

Thesis Requirement

A minimum of four and a maximum of eight credit hours (to be determined by students in consultation with their thesis adviser) may be given for a written thesis on a subject approved by the student's thesis committee. The thesis must show substantial evidence of original research or development of the principles of at least one interdisciplinary field related to the student's thematic goal; be at least 75 pages in length; and be of high scholastic quality, suitable for publication as a lead article in a scholarly journal.

The thesis committee, consisting of the thesis adviser (selected by the student with the adviser's consent) and the UMKC School of Law graduate studies committee, must approve the topic and the final form and substance of the thesis.

Other Courses

The UMKC Law School graduate studies committee may approve up to six credit hours of courses in other schools and departments of the University related to the student's thematic goal. Generally, students may not take required or basic bar examination J.D. courses for graduate credit.

CURRICULUM, MASTER OF LAWS (GENERAL) WITH ESTATE PLANNING CONCENTRATION

Effective fall semester 2007, the Master of Laws (General) with Estate Planning Concentration program has been suspended. Applications are not accepted for and students may not enroll in the program at this time.

Required Courses (17 credit hours)

Law 8603 Taxation of Business Organizations (3)
Law 8615 Estate Planning and Practice (3)
Law 8618R Drafting and Preparation of Estate Plans (2)
Law 8800 Thesis (4-8)
Law 8838R Tax Practicum (1)
Law 8843 Federal Income Taxation of Trusts & Estates (2)
Law 8868R Valuation for Transfer Tax Purposes (3)
Law 8892R Taxation of Estates, Gifts and Trusts (3)

Elective Courses

Law 8611R Dispositions and Succession Planning of Business Interests (1)
Law 8612R Tax Planning with Life Insurance (1)
Law 8613R Special Problems in Estate Planning (1)
Law 8614R Estate Planning for Retirement Plan Benefits (1)
Law 8615R Estate Planning for Charitable Giving (1)
Law 8616R Fiduciary Administration for Estate Planners (1)
Law 8617R Elder Law for Estate Planners (1)
Law 8757R Entrepreneurial Clinic (2)

Thesis Requirement

A minimum of four and a maximum of eight credit hours (to be determined by the student in consultation with the thesis adviser) may be given for a written thesis on a subject approved by the student's thesis committee. The thesis must show substantial evidence of original research or development of the principles of at least one interdisciplinary field related to the student's thematic goal; be at least 75 pages in length; and be of high scholastic quality, suitable for publication as a lead article in a scholarly journal.

The thesis committee, consisting of the thesis adviser (selected by the student with the adviser's consent) and the UMKC School of Law graduate studies committee, must approve the topic and the final form and substance of the thesis.

At the option of the Director of the Estate Planning Program, the thesis requirement may be met by satisfactory completion of Law 618R and Law 746R (for 2 credit hours), requiring the student to research and write a substantial original work in the estate planning field.

Other Courses

The UMKC graduate studies committee may approve up to six credit hours from other UMKC Law School course offerings or from the interdisciplinary offerings of other UMKC graduate and professional schools. However, such courses may not be required or be basic bar examination J.D. courses.

CURRICULUM, MASTER OF LAWS (URBAN AFFAIRS)

Because of the complexity and diversity of their setting, urban problems sometimes transcend traditional legal solutions. The interdisciplinary Urban Legal Affairs Program prepares lawyers for specializing in practice, public service and corporate and financial institutions dealing with metropolitan-area problems. Students may pursue the areas of Planning and Governance, Environment and Natural Resources, and Real Estate Development.

Courses Available

Law 8732 Alternative Dispute Resolution	(2-3)
Law 8898 Construction Law	(2)
Law 8773 Environmental Law	(2-3)
Law 8766 Land Use Planning	(2-3)
Law 8728 Law and the American Indian	(2-3)
Law 8641R Legislation	(2-3)
Law 8783 Natural Resources Law	(2-3)
Law 8729 Preservation Law	(2-3)
Law 8861 Real Estate Finance	(3)
Law 8875 Real Estate Transactions	(2-3)
Law 8862 Seminar in Urbanization	(2)
Law 8770 State and Local Government Law	(2-3)

Thesis

If elected, a minimum of four and a maximum of eight credit hours (to be determined by the student in consultation with the thesis adviser) may be given for a written thesis on a subject approved by the student's thesis committee. The thesis must show substantial evidence of original research or development of the principles of at least one interdisciplinary field related to the area of urban studies pursued; be at least 75 pages in length; and be of high scholastic quality, suitable for publication as a lead article in a scholarly journal.

The thesis committee, consisting of the thesis adviser (selected by the student with the adviser's consent) and the School of Law graduate studies committee must approve the topic and the final form and substance of the thesis.

Other Courses

The School of Law graduate studies committee may approve other law school courses and up to six credit hours of courses in other schools and departments of the University related to the area of urban affairs pursued. Generally, students may not take required or basic bar examination J.D. courses for graduate credit.

Before enrollment, the student will work with the associate dean toward developing an individualized urban affairs course of studies.

LL.M./M.P.A. JOINT DEGREE PROGRAM

A joint LL.M./M.P.A. degree program between the School of Law and the Henry W. Bloch School of Business and Public Administration can be arranged with the approval of the Law School graduate studies committee.

Medicine, School of

SCHOOL OF MEDINICE

- Student Learning Outcomes
- Curriculum
- Typical curriculum - Six year program

STUDENT LEARNING OUTCOMES

Years 1-2

Effective Communication

- The student demonstrates competence in written communications such as laboratory reports, term papers and other classroom writing assignments.
- The student demonstrates competence in oral communications in a one-on-one setting, such as introducing and beginning a history with an individual patient. History-taking skills at this level will be very basic and straightforward.
- The student demonstrates effective listening skills with faculty members, other students and patients.

Clinical Skills

- The student is able to perform the basic elements of a history. The student will have observed a physical examination and observed some of the routine clinical procedures.

Using Basic Science in the Practice of Medicine

- The student has an introductory and very general understanding of anatomy and microbiology.
- The student has a more advanced understanding and an ability to apply some information to a few clinical situations in biochemistry and physiology.

Diagnosis, Management and Prevention

- The student has an introductory understanding of principles of diagnosis, management and prevention.
- The student is able to identify general, rather than specific approaches to management, but is usually not expected to carry them out in real settings.

Lifelong Learning in Medicine, Basic Sciences, the Social Sciences and the Humanities

- The student is proficient in framing a question, utilizing modern information searching modalities, organizing data, compiling and using information to answer the question in the context of a structured setting, such as an undergraduate course.
- The student has an introductory knowledge of the humanities and social science. Enough information is learned at this level to stimulate the student to desire further learning in medicine, humanities and social sciences.

Self-awareness, Self-care, Personal Growth and Professional Behavior

- The student exhibits behaviors indicative of personal self-awareness through a process of self reflection. Students are able to identify potential areas of weakness and are able to conceive of potential options for addressing these areas.
- The student is able to identify areas of strength and is able to build on these strengths.
- The student is able to set goals for a self-study plan.
- The student is aware of his/her personal growth in regards to age specific developmental tasks.
- The student knows the elements of professional behavior and can explain the meaning of each element.
- The student can cite an example of how each of the elements applies in Year 1 and Year 2 coursework for the baccalaureate and M.D. degree.
- The student shows courteous regard for other students and faculty and acknowledges the views of others. The student shows courteous regard for his/her mentor on aging and for the patients they meet in their docent group experiences. The student interacts with patients they meet in their docent group experiences in an appropriately compassionate fashion. The student expresses empathy for his/her mentor on aging as appropriate.
- The student puts the legitimate needs of his/her mentor on aging, patients, docent group members and study group members first before his/her own needs.
- The student demonstrates academic honesty in all aspects of his/her coursework for the baccalaureate-M.D. degree.
- The student carries through on assignments and other responsibilities; arrives promptly for meetings or classes; accepts personal responsibility for group projects; and completes course evaluations in a timely and thoughtful fashion.
- The student searches out opportunities to learn and tries to excel in their coursework.

Diversity and the Social and Community Contexts of Health Care

- The student appreciates some of the non-biological factors that influence health, disease, disability and access to care.
- The student attributes proper importance to identifying non-biological factors.
- The student is aware of different value systems and life styles.

Moral Reasoning and Ethical Judgment

- The student can identify and apply ethical considerations relating to professional behavior and student conduct as a forerunner to professional behavior.
- The student develops an introductory understanding of ethical choices related to a few controversial medical issues.

Problem-Solving Skills

- The student displays competence in basic problem-solving skills as applied to basic science courses or simple, straightforward medical problems.

Years 3-4

Effective Communication

- The student develops and demonstrates competency in using the written language effectively by:
  - Medical record documentation in the continuing care clinic and on docent rotation.
  - Writing papers for courses and rotations.
  - Essay examinations in medical ethics.
- The student develops and demonstrates competency in using oral language and listening effectively by:
  - Communicating with patients and families in the continuing care clinic and on docent rotation.
  - Communicating with senior partners, peers and faculty.
  - Functioning as an effective junior partner.

Clinical Skills

- The student is able to perform a comprehensive history and physical examination of patients in the outpatient setting and the general medical wards, excluding critical care settings.
- The student is competent in performing venipuncture and basic CPR.
- The student is able to perform a gram-stain, vaginal smear wet prep, stool occult blood, urinalysis, urine pregnancy test, finger stick glucose determination and peak expiratory flow rate.
- The student has observed and is familiar with some of the more complex or specialized lab and diagnostic tests.
- The student knows the basics in the interpretation of plain x-ray studies; chest x-ray, abdominal x-ray.

Using Basic Science in the Practice of Medicine

- The student applies knowledge in the areas of behavioral science, anatomy, pathology, biochemistry, physiology, microbiology and immunology, and pharmacology to the overall care of patients.

Diagnosis, Management, Continuing Care and Prevention

- The student is able to interpret standard diagnostic studies and history and physical examination data. From these data, the student is able to state the most likely diagnosis when presented with straightforward presentations of common problems in general internal medicine. The student is expected to carry out management plans in those situations that are relatively straightforward and uncomplicated.

Lifelong Learning in Medicine, Basic Sciences, the Social Sciences and the Humanities

- The student is able to do a computerized literature search as it applies to patient problems.
- The student is able to comprehend the medical literature and understand basic statistics and the scientific method.
- The student is continually motivated by an awareness of the limits of his/her personal knowledge and experience.

Self-awareness, Self-care, Personal Growth and Professional Behavior

- The student is reflective about him or herself in a group context.
- He or she is able to confront his/her own values as they relate to the practice of medicine.
- The student is able to identify real situations of stress and his/her response to these situations.
- The student is able to practice personal techniques for relaxation and time management and can modify behavior and respond to constructive criticism.
- The student is able to identify learning needs, plan a program to meet those needs and determine how well they have met them and what further learning issues they need to address.

Diversity and the Social and Community Contexts of Health Care

- The student elicits and identifies non-biological factors as part of the routine history taking and includes those issues, as appropriate, in the problem list formulations and management plans.
- The student takes personal responsibility for discussing these issues with patients, assessing their needs and matching them to appropriate community resources.
- The student works with his/her individual patients and families to enhance their total well-being.

Moral Reasoning and Ethical Judgment

- The student is able to employ ethical concepts and reasoning when presented with typical ethical cases in medicine, and is able to recognize ethical issues in medical practice.

Problem-Solving Skills

- The student displays competence in problem-solving skills with common clinical problems utilizing a limited knowledge base.

Years 5-6

Effective Communication

- The student develops and demonstrates competency in using the written language effectively by:
  - medical record documentation on clinical rotations.
  - preparing written patient education material.
  - writing clinical papers.
  - journals, short stories, papers or poetry during medical humanities and social science courses.
- The student develops and demonstrates competency in using oral language and listening effectively by:
  - communicating with patients and families in the continuing care clinic and clinical rotations.
  - presenting new patients to faculty in continuing care clinic and clinical rotations.
  - delivering lectures on clinical rotations utilizing slides and handouts.
  - communicating with student partners, peers, faculty and the health care providers.
  - oral examinations.
- The student develops and demonstrates competency in respecting patients and sharing information effectively with patients, families and health care team members by:
  - interacting with the individuals on clinical rotations and the continuing care clinic.
  - working as an integral part of the docent team and teams on other clinical rotations.
  - functioning as an effective senior student partner.

Clinical Skills

- The student is able to perform the basic and emergency elements of a history and physical examination smoothly and efficiently in the outpatient setting, inpatient setting, critical care setting and emergency department settings.
- The student is able to perform and interpret basic clinical procedures, laboratory and diagnostic tests smoothly and efficiently as listed.
- The student is able to describe the procedural steps necessary to carry out advanced clinical procedures as listed.
- The student observes and is able to state the indications, complications, and limitations of advanced clinical procedures as listed.
- The student is aware of the indications, complications and limitations of and interpret from the written reports complex and specialized laboratory and diagnostic tests as listed.

Using Basic Science in the Practice of Medicine

- The student is able to explain a multi-system health problem in terms of pathogenesis, mechanisms of system-to-system interactions and potential complications. The student is able to present therapeutic goals and interventions aimed at the multiple pathophysiological forces in motion.
- The student is able to exhibit clinical decision analysis that weighs the pros and cons of proposed interventions, taking into consideration such factors as drug-drug interactions and the trade-off of proposed drug interventions in the context of multi-system problems.

Diagnosis, Management, and Prevention

- The student is able to state the most likely diagnosis and management plan when presented with presentations of common problems in any of the major disciplines.
- The student is able to integrate the approach of care to individuals, families and communities, taking advantage of opportunities for prevention and education in addition to the immediate physical care.
- The student through his/her experiences in the continuing care clinic is able to provide continuing care and management for both chronic and acute medical problems and provide appropriate plans for prevention.

Lifelong Learning in Medicine, Basic Sciences, the Social Sciences and the Humanities

- The student begins to explore new opportunities for intellectual growth and professional enlightenment in medicine, the social sciences and humanities.
- The student attends a continuing medical education course.
- The student continues to recognize his/her limits of knowledge and experience.
- The student is able to recognize the significance of valid scientific discoveries reported in medical journals and recognize unsubstantiated, inaccurate or poorly performed studies and conclusions.

Self-awareness, Self-care, Personal Growth and Professional Behavior

- The student utilizes skill in coping with stress during clinical rotations.
- The student develops and demonstrates appropriate personal values and beliefs relevant to his/her practice of medicine.
- The student demonstrates compassion, sensitivity, honesty, integrity, dependability and responsibility in his/her day-to-day interactions with patients, families, peers, faculty and staff.

Diversity and the Social and Community Contexts of Health Care

- The student is able to identify and propose solutions for non-biological factors that influence health, disease, disability and access to care.
- The student is able to utilize resources in the community that may provide assistance to his or her patients.
- The student is an advocate for better health for the patients and the community.
- The student demonstrates knowledge of practice management, utilization review, quality improvement and economic and cultural issues in health care.

Moral Reasoning and Ethical Judgment

- The student is able to identify patient care and health policy ethical issues and choices in his or her own clinical experience; to evaluate critically alternative ethical courses of action by analyzing and articulating reasons for the relative importance of the different ethical considerations bearing on each choice; to select and ethically defend a course of action.
- The student recognizes the importance of the ethical treatment of research subjects and the functions of an Institutional Review Board.

Problem Solving

- The student displays competence in more advanced clinical problem solving using a comprehensive knowledge base.
- The student can effectively utilize a team approach in solving clinical problems.

CURRICULUM

The fundamental objective of the School of Medicine is to graduate physicians able to meet the health care needs of Missouri and the nation.

Classes begin in the fall of year 1. By using 35 weeks of study the first year and 48 weeks every year after that, each student will have the opportunity to earn the credits necessary for both a baccalaureate and a medical degree. This six-year continuum does not make an arbitrary separation between liberal arts and professional education.

The first two years of the six-year curriculum are arranged for the student to blend three-fourths of the time in liberal arts coursework and one-fourth of the time in introduction to medicine coursework. This initial two-year period allows students adequate time to determine whether they are motivated enough to continue in medicine. At the same time, the faculty will have adequate opportunity to judge whether each student has the characteristics and capabilities necessary for a career in medicine.

The introduction to medicine courses during the first two years are designed to provide just that -- an introduction to medicine. Special attention is given to the effect of illness on the patient, the family and the community. There is emphasis on the coordination of effort, the team approach, to the solution of medical and health care problems. The year 1 and 2 curriculum has been further enhanced with the addition of a geriatrics program which pairs students with aging mentors. The courses will integrate patient interviews and examinations with branches of science fundamental to clinical medicine, including anatomy, physiology, biochemistry, psychology and sociology.

These courses have certain coordinated objectives, each of which represents an important component in the general concept of medicine as applied to human biology. The objectives are to help students understand and learn about the following:

- The language and vocabulary of medicine.
- The effects of illness on individuals, families and communities.
- The background setting of illness and health care, including the importance of social, psychological and economic factors.
- The history of medicine and its present state.
- The roles and responsibilities of physicians and other personnel involved in health care.

- Selected content information from anatomy, physiology, chemistry, psychology, sociology and other sciences fundamental to medicine, together with the continuing importance of such information in the reasoning of the physician.
- The logic, rationale and process of clinical reasoning.

An important feature of the School of Medicine program is the early and continuing contact of the student with a team of scholars called docents. Each docent is a full-time physician responsible for the education of a small group of students. The docent serves as a role model for students as well as a guide and mentor. At year 3, students are assigned to a docent team, a group composed of students from each of year 3 through year 6 classes. Beginning in year 4, students spend two months each year on docent rotation, an internal medicine clerkship. During this time in particular, and throughout the rest of the academic year, the docents guide their students through the experiences necessary to acquire a strong foundation of clinical competence. Students in their third and fourth years are partnered with their fifth- and sixth-year peers on the docent unit.

The School of Medicine program in years 3 to 6 of the combined degree program has several features:

- The core educational program is designed and directed by physicians who are primarily concerned with medical student education and who have patient care responsibilities;
- Since the curriculum core content is based on clinical experiences, the medical student's education will be problem-centered. Faculty from many University disciplines participate in teaching medical students, and education in the clinical sciences takes place in affiliated hospitals. These hospitals provide a communitywide model for patient care;
- The curriculum integrates liberal arts, basic sciences and clinical medicine. It uses planned repetition, reinforcement and relevancy to enable students to acquire the requisite attitudes, knowledge and skills expected of a Medical School graduate;
- Students may have an extended program by taking extra time;
- During the third through sixth years, students are required to return to the Volker campus at least two times, usually in years 3 and 4, to take liberal arts coursework. Students are also required to enroll in a medical humanities course in year 5 or year 6.

TYPICAL CURRICULUM - SIX YEAR PROGRAM

Year 1

Medicine

Fall Medical Terminology
Learning Basic Medical Sciences
Fundamentals of Medical Practice I
Spring Fundamentals of Medical Practice II

Arts & Sciences

Fall Human Biology I (Anatomy) w/Lab
General Chemistry I w/Lab
Psychology
Courses for B.A. Degree*
Spring Human Biology III (Microbiology) w/Lab
General Chemistry II w/Lab
Sociology
Courses for B.A. Degree*

Year 2

Medicine

Summer Hospital Team Experience
Fall Fundamentals of Medical Practice III
Spring Fundatmentals of Medical Practice IV

Arts & Sciences

Summer Organic Chemistry w/Lab
Cell Biology
Fall Human Biochemistry
Sociology - Life Cycles
Genetics
Courses for B.A. Degree*
Spring Structure/Function I, II, III
Courses for B.A. Degree*

Year 3

Medicine

History of Medicine
Clinical Correlations
Clinical Skills
Introduction to Pharmacology (Independent Study)
CUES
Pathology I & II
Medical Microbiology
Medical Neurosciences
Continuing Ambulatory Care Clinic

Arts & Sciences

Structure/Function IV

Year 4

Medicine

Pharmacology
Behavioral Sciences in Medicine
Docent Rotation
Family Practice
Ambulatory Care Pharmacology (Indep Study)
Continuing Ambulatory Care Clinic

Arts & Sciences

Courses for B.A. Degree*

Year 5

Medicine

Psychiatry
Prescribing for Special Populations (Indep Study)
Obstetrics/Gynecology
Pediatrics
Family Medicine Preceptorship
Surgery
Elective
Docent Rotation
Emergency Medicine(may be taken in Year 6)

Arts and Sciences
Humanities/Social Sciences (may be taken in Year 6)

Year 6

Medicine
Docent Rotation
Emergency Medicine(may be taken in Year 5)
Rational & Safe Drug Prescribing (Indep Study)
Electives
Continuing Ambulatory Care Clinic

Arts & Sciences
Humanities/Social Sciences (may be taken in Year 5)

* 3 to 12 credit hours will come from general degree requirements and/or core major requirements.
All students are required to take three clinical electives, one of which must be direct patient care.

Music and Dance, Conservatory of

CONSERVATORY OF MUSIC AND DANCE

- Master's Degrees
  - Student Learning Outcomes
  - Master of Music in Music Composition Required Courses
  - Master of Music in Conducting Required Courses
  - Master of Music Education Required Courses
  - Master of Music in Musicology Required Courses
  - Master of Music in Performance: Keyboard Emphasis
  - Master of Music in Performance: Orchestral Instruments and Guitar Emphasis Areas
  - Master of Music in Performance: Voice Emphasis
  - Master of Music in Performance: Woodwind Emphasis
  - Master of Music in Music Theory Required Courses
  - Master of Arts in Music Required Courses
  - Master of Arts in Music - Music Therapy
  - Performer's Certificate Required Courses
- Doctor of Musical Arts
  - Student Learning Outcomes
  - Doctor of Musical Arts in Music Composition Required Courses
  - Doctor of Musical Arts in Conducting Required Courses
  - Doctor of Musical Arts in Performance Required Courses
  - Artist's Certificate Required Courses
- Interdisciplinary Ph.D. study in Music Education

STUDENT LEARNING OUTCOMES

The Conservatory of Music and Dance aims to meet or exceed the educational standards set by the National Association of Schools of Music (NASM) for the training of master's level music students. To that end, the Conservatory endorses the development of

- Individual talents, interests and philosophies which can be used creatively both to preserve and extend our cultural heritage.
- Professional competence in such disciplines as composition and performance interpretation and the evaluation of knowledge.
- Scholarly competence in the organization, interpretation and evaluation of knowledge.
- Profesional competence in the communication and dissemination of knowledge.
- Individuals with the potential to solve contemporary problems in various aspects of music.

MASTER OF MUSIC IN MUSIC COMPOSITION REQUIRED COURSES

Conservatory 5500-5600 Music History	3
Conservatory 5500-5600 Music Theory	3
Conservatory 5533 Advanced Composition (three courses)	9
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5599 Thesis(a)	4
area of concentration(b)	8
Electives	2
Total hours (minimum)	**32**

(a) An appropriate composition. A score must be filed in the Conservatory Library.
(b) The Area of Concentration is developed by the student with guidance and approval of the supervisory committee as a part of the planned program. Examples include Applied Music/Ensemble Performance, Music Scholarship, Conducting (Choral and/or Instrumental), Music Technology and interdisciplinary courses.

Note: Each master's student majoring in music composition must audition on an instrument or voice as part of the initial enrollment process. Based on the audition results, the applied music requirement will be as follows:

1. If the student qualifies for applied music at the 301 secondary level, no applied music is required.
2. If the student does not qualify for applied music at the 301 secondary level, the student must enroll in applied music in the same performing medium for two terms or until 301 secondary is completed.

MASTER OF MUSIC IN CONDUCTING REQUIRED COURSES

Conservatory 5582 Advanced Choral Conducting (any two from 5582 ABC)	
-and-	
Conservatory 5587 Seminar in Choral Literature (select two from 5587 ABCDE or Conservatory 459, Choral Literature)	8-9
-or-	
Conservatory 5583 Advanced Instrumental Conducting (any two from 5583 ABCD)	
-and-	

Conservatory 5586 Seminar in Orchestral or Wind/Band Literature (5586 A or B)	8
And the following:	
Conservatory 400-5500A Applied Music(a)	2-6
Conservatory 5500-5600 Music History	3
Conservatory 5500-5600 Music Theory	3
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5597A Master's Conducting Performance(b)	4
Conservatory 5598 Research Problems	2
Electives	1-5
Total hours (minimum)	**30**

(a) (Choral Track Voice Requirement) The applicant must enroll in applied voice the first term of registration as a full-time, degree-seeking student. Progress will be measured by the following:

1. If the applicant qualifies for applied voice at the 5500A level, a minimum of two credit hours is required.
2. If the applicant does not qualify for applied voice at the 5500A level, the student must enroll in applied voice for three terms or until completion of the 5500A level.

(a) (Instrumental Track Applied Requirement) The applicant must enroll in applied music the first term of registration as a full-time, degree-seeking student. Progress will be measured by the following:

1. If the applicant qualifies for applied music at the 401 level, a minimum of two credit hours is required.
2. If the applicant does not qualify for applied music at the 401 level, the student must enroll in applied music for a minimum of two terms, until completion of the 401 level, or until graduation.
3. In addition, instrumental conducting majors will be required to enroll in two terms of applied music on other appropriate instruments, as advised by the conducting faculty.

(b) One public performance is required. One rehearsal or lecture demonstration is required.

Master of Music Education Required Courses

Conservatory 5500-5600 Music History or Theory	3
Conservatory 5574 History and Philosophy of Music Education	3
Conservatory 5589 Academic Portfolio	3
-or-	
Conservatory 5599 Thesis	3
Conservatory 5594A Introduction to Descriptive and Experimental Research in Music	3
Applied Musicianship(a)	2
Methods/Materials Advanced Courses (e.g., Conservatory 5540x, 5582x, 5583x, 5586x, 5587x, Summer Workshops)	6
Electives	10
Total hours (minimum)	**30**

(a) MME students wishing to satisfy the applied musicianship requirement by taking lessons in their undergraduate applied area will be required to perform an applied audition prior to enrolling in the first term. Typically, these lessons will occur on a TBA arrangement with applied faculty during the fall or spring semesters. These students must complete a semester of applied lessons at no lower than the 402-2 level. Other students who wish to refine applied skills through pedagogy study (e.g., 491/5591 or summer workshops) or through applied study on other instruments (e.g., 5500C) will not be required to audition.

Master of Music in Musicology Required Courses

Conservatory 5500A Applied Music (or three terms in the same performing medium at any level)(a)	2
Conservatory 5500-5600 Music History (four courses, two periods and two of choice)	12
Conservatory 5500-5600 Music Theory	3
Conservatory 5591K Pedagogy of Music History	3
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5693 Advanced Research and Bibliography in Music	3
Conservatory 5598 Research Problems	2
Conservatory 5599 Thesis	6
Electives	1-3
Total hours (minimum)	**35**

(a) Elective credit may be substituted if Conservatory 5500A (Applied Music) is achieved at the audition.

Language Requirements: For all M.M. students in Musicology, a grade of B- (2.7) or better in a first-semester, sophomore-level foreign language course. Students must study French, German or Italian unless the substitution of another language is approved by the supervisory committee. A language proficiency test may be substituted for course requirements, provided it documents language capabilities equivalent to the completion of a first-semester, sophomore-level course. This must be approved in advance by the supervisory committee. In such cases, a letter describing the process and results must be forwarded to the chair of the supervisory committee, the musicology area coordinator and the Conservatory Associate Dean for Academic Studies.

Supervisory Committee: The Supervisory Committee, which consists of at least two musicology faculty plus one other member, is assigned to approve the planned program and prepare and grade the comprehensive examination. The committee must be selected before the student completes two terms of enrollment.

Graduate Approval of Major: Complete CONS 5593 (Introduction to Research and Bibliography in Music) with a grade of A; complete one graduate-level music theory course and one graduate-level music history course with a grade of A in each course; and present a scholarly paper before a public forum on a topic agreed to in advance by the musicology faculty (the duration of the presentation is to be at least 20 minutes).

Master of Music in Performance: Keyboard Emphasis

Conservatory 5500-5600 Music History	3
Conservatory 5500-5600 Music Theory	3
Conservatory 5501 Applied Study(a)	4
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5591E Advanced Pedagogy I - Piano	2
Conservatory 5597 Master's Recital (two required)	8
Collaborative Experiences	2

Electives(b)	10
Total hours (minimum)	**36**

(a) A minimum of one semester of applied music (5501) is required before the first recital. Conservatory 5501 or 5597 is required each semester of enrollment until the recital requirement is met.
(b) A maximum of four elective credits may be in the performance area.

Master of Music in Performance: Orchestral Instruments and Guitar Emphasis Areas

Conservatory 5500-5600 Music History	3
Conservatory 5500-5600 Music Theory	3
Conservatory 5501 Applied Study(a)	4
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5597 Master's Recital (two required)	8
Conservatory 305G Principles of Chamber Music	4
Electives (Non-applied music course)	3
Electives	8
Total hours (minimum)	**36**

(a) A minimum of one semester of applied music (5501) is required before the first recital. Conservatory 5501 or 5597 is required each semester of enrollment until the recital requirement is met.

Notes: All students whose major is an orchestral instrument must be enrolled in Conservatory Wind Symphony, Wind Ensemble or Conservatory Orchestra for a minimum of two semesters. Not more than one half the total hours counted toward the planned program may be in applied music and recitals.
A maximum of two semesters of an ensemble can be counted on any master's planned program of study.

Master of Music in Performance: Voice Emphasis

Conservatory 5500-5600 Music History	3
Conservatory 5500-5600 Music Theory	3
Conservatory 5501 Applied Study(a)	4
Conservatory 5547 History of Opera I	3
Conservatory 5548 History of Opera II	3
Conservatory 5566 (A, B, C, D) Vocal Literature (one required)	2
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5597 Master's Recital (two required)	8
Electives	6
Total hours (minimum)	**35**

(a) A minimum of one semester of applied music (5501) is usually required before the first solo recital. However, Voice Performance majors, with the approval of the Vocal Studies Division, may enroll in 5597 (Master's Recital) any semester to receive credit for a major UMKC opera role.

Notes: Not more than one-half the total hours counted toward the planned program may be in applied music and recitals.
Participation for two semesters in a major choral ensemble is required.
The diction proficiency test for French, German and Italian must be passed.

Master of Music in Performance: Woodwind Emphasis

Note: The five instruments covered in this degree shall be flute, oboe, clarinet, saxophone and bassoon.

Conservatory 5501 Applied Music (Instrument #1)(a)	4
Conservatory 5500A Applied (Instrument #2)(b)	2
Conservatory 5500A Applied (Instrument #3)(b)	2
Conservatory 5500-5600 Music Theory	3
Conservatory 5500-5600 Music History	3
Conservatory 5591,5592 Advanced Pedagogy	4
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5597 Master's Recital	8
Ensemble(c)/Electives	5
Total hours (minimum)	**34**

(a) A minimum of one semester of applied music is required before the recital. Not more than one-half of the total hours counted toward the planned program may be in applied music and recitals.
(b) A graded half recital during the second semester of study on instruments #2 and #3 is required.
(c) Two semesters of participation in a major ensemble are required on instrument #1. One semester of ensemble participation each is required on instruments #2 and #3.

Note: Jury approval of the 101(2) applied level on instruments #4 and #5 is required before graduation.

Master of Music in Music Theory Required Courses

Conservatory 5599 Thesis	4
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5524B Advanced Analysis II - Common Practice Period	3
Conservatory 5524C Advanced Analysis III - Contemporary Period	3
Conservatory 5526A Introduction to Schenkerian Theory and Analysis	3
Conservatory 5526B Schenkerian Analysis	3
Conservatory 5591G Pedagogy of Music Theory I	3
Conservatory 5620 History of Music Theory I	3
-or-	
Conservatory 5621 History of Music Theory II	3

Music History (Graduate Level)	3
Electives	6
Total hours (minimum)	**34**

Piano Proficiency Requirement:

The Conservatory's undergraduate piano proficiency requirement must be met.

Applied Music Requirement

Successful completion of one of the following is required:

- If the student qualifies for applied music at the 302 level, then no applied study is required.
- If the student does not qualify through audition for applied music at the 302 level, then the student must enroll for applied study for three semesters or until the 301 jury is passed.

Foreign Language Requirement

For all masters students in Music Theory, a grade of B- (2.7) or better in a first-semester, sophomore-level foreign language course or C (2.0) work or better in each of two junior-level courses or in one senior-level literature or civilization course is viewed as an adequate demonstration of foreign language skills. Students must study French, German, Italian or Latin unless the substitution of another langage is approved by a minimum of two-thirds of the supervisory committee. A language proficiency test, if provided by language instructors or departments, may be substituted for course requirements provided it documents language capabilities equivalent to the previously described courses. In such cases, a letter from the university langage professor, describing the process and results, must be forwarded to the Conservatory Associate Dean for Academic Affairs.

Master of Arts in Music Required Courses

Area of Concentration(a)	9
Conservatory 5500-5600 Music Theory(b)	3
Conservatory 5500-5600 Music History(c)	3
Conservatory 5593 Introduction to Research and Bibliography in Music	3
-or-	
Conservatory 5594A Introduction to Descriptive and Experimental Research in Music	3
Conservatory 5598 Research Problems	2
Conservatory 302 Applied Music(d)	2
Electives	8
Total hours (minimum)	**30**

(a) The area of concentration is developed by the student with guidance and approval of the supervisory committee as part of the planned program. Nine hours of work in one discipline must be completed. Examples of concentration areas include (but are not limited to): Arts Administration, Composition, Conducting, Education, Musicology, Jazz and Studio Music, Performance, Theory and Therapy (equivalency).
(b) Elective credit may be substituted for students pursuing an area of concentration in music theory.
(c) Elective credit may be substituted for students pursuing an area of concentration in music history.
(d) If the applicant qualifies for applied lessons at the 302 level, a minimum of two credit hours is required. If the applicant does not qualify for applied lessons at the 302 level, the student must enroll in applied lessons for three terms or until completion of the 302 level. Students who chose a performance area of concentration must complete a minimum of one semester of 5500A. A total of nine hours of lessons/ensembles is required for an applied area of concentration.

Master of Arts in Music - Music Therapy

Conservatory 5544 Advanced Clinical Experience	2
Conservatory 5545 Seminar in Music Therapy	2
Conservatory 5594A Introduction to Descriptive and Experimental Research in Music	3
Conservatory 5599 Thesis	3
Select one course from the following four:	3
Conservatory 5573 Administration of Music Education/Music Therapy	
Conservatory 5596 Theories of Learning Music	
EDRP 5505 Statistical Methods I	
EDRP 5502 Advanced Educational Psychology	
Special Interest Areas (suggested options):	16
Gerontology Certificate program	
Health Services Administration	
Gerontology Administration	
Counseling Psychology and Counselor Education	
Education	
Sociology	
Electives (5500 level music courses)	6
Total hours (minimum)	**35**

Notes: Students seeking this degree are not required to take the matriculation exams unless coursework in musicology and theory is required.

Performer's Certificate Required Courses

Lessons and Recitals (Solo Experiences)(a)	16
Chamber and Ensemble Work (Collaborative Experiences) and/or Prescribed Electives	8
Music Literature/Pedagogy(b)	3-5
Total hours (minimum)	**27-29**

Note: Voice students must pass the diction proficiency test in French, German and Italian.

(a) Instrumental and keyboard students: four hours of lessons and 12 hours of recitals. Voice students: eight hours of lessons and eight hours of recitals.
(b) Instrumental students, three hours; keyboard students, five hours; voice students, four hours.

Student Learning Outcomes

The Conservatory of Music and Dance aims to meet or exceed the educational standards set by the National Association of Schools of Music (NASM) for the training of doctoral level music students. To that end, the Conservatory endorses the development of

- Intellectual awarness and curiosity sufficient to predict continued growth and contribution to the discipline.
- Significant accomplishment in performance, composition, scholarship, music education or conducting.
- A knowledge of the techniques of music theory sufficient to perform advanced analysis.
- A knowledge of representative literature and composers of each major period of music history.
- A knowledge of general bibliographic resources in music.
- Considerable depth of knowledge in some aspect of music, such as historical period, an aspect of theory, performance practice or compositional styles.
- Sufficient writing and speaking skills to communicate clearly and effectively to members of the scholarly community and to the wider community.
- A reading knowledge of one or more foreign languages, or other appropriate research skills.

Doctor of Musical Arts in Music Composition Required Courses

Conservatory 5500-5600 Music Theory (three courses)	9
Conservatory 5500-5600 Music History (three courses)(a)	9
Conservatory 5531 Advanced Orchestration	3
Conservatory 5533 Advanced Composition (three classes)	9
Conservatory 5533 Advanced Composition (one additional) **-or-** 5534 Advanced Electronic Music Composition	3
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5699 Dissertation Research(b)	6
Area of Concentration(c)	11

(a) All doctoral students are required to complete three graduate music history courses. One must be a period course (Conservatory 5555-5559), one must be a seminar course, and the remaining course may be either. Any substitutions must be approved by the music history faculty.
(b) An extended work in a format approved by the composition faculty. Two copies of the full score must be placed in the Conservatory Library.
(c) The area of concentration is developed by the student with guidance and approval of the supervisory committee as part of the planned program. Examples include Applied Music/Ensemble Performance, Music Scholarship, Conducting (Choral and/or Instrumental), Music Technology and interdisciplinary courses.

Language Requirement: A proficiency in one foreign language is required. See this section of the catalog for options.

Note: Each doctoral student majoring in music composition must audition on an instrument or voice as part of the initial enrollment process. Based on the audition results, the applied music requirement will be as follows:

1. If the student qualifies for applied music at the 301 level, no applied music is required.
2. If the student does not qualify for applied music at the 301 level, the student must enroll in applied music in the same performing medium for two terms or until 301 secondary is completed.

Doctor of Musical Arts in Conducting Required Courses

Conservatory 5582 Advanced Choral Conducting (any three from 5582 ABC)	6
Conservatory 5583D Advanced Instrumental Conducting for Choral Majors	2
Conservatory 5587 Seminar in Choral Literature (any four from 5587 ABCDE or Conservatory 459)	8(9)
-or-	
Conservatory 5586 Seminar in Orchestral or Wind/Band Literature(5586 A or B)	8
Conservatory 5583 Advanced Instrumental Conducting (three from 5583 ABCD)	6
And the following:	
Conservatory 5500A Applied Music(a)	2
Conservatory 5500-5600 Music History(b) (three required)	9
Conservatory 5500-5600 Music Theory (three required)	9
Conservatory 5593 Introduction to Research and Bibliography in Music	3
Conservatory 5697B Doctoral Conducting Performance(c) (Two public performances with supporting documents)	8
Conservatory 5697/5698/5699(d) Doctoral Research	4

(a) Each doctor of musical arts conducting major must enroll in applied music the first term of registration as a full-time, degree-seeking student. If the applicant qualifies for applied music at the 5500A level, a minimum of two credit hours is required. If the applicant does not qualify for applied music at the 5500A level, then the student must enroll in applied music until completion of the 5500A level or until graduation.

1. Choral conducting majors whose major applied music is not voice will be required to take three terms of applied voice at any level.
2. Instrumental conducting majors will be further required to enroll in two additional semesters of two different instruments at the 5500B level as advised by the conducting faculty.

(b) All doctoral students are required to complete three graduate music history courses. One must be a period course (Conservatory 5555-5559), one must be a seminar course, and the remaining course may be either. Any substitutions must be approved by the music history faculty.
(c) Conducting recitals may be done with the approval of the major adviser at any time after successful completion of the Graduate Approval of Major.
(d) A minimum of one doctoral research project, exhibiting the highest level of independence, must be finished after comprehensive examinations are successfully completed. Two rehearsal/lecture demonstrations must be completed. Participation in at least one major ensemble, as advised by the conducting faculty, during each term of enrollment as a full-time student is required.

Language Requirement: A proficiency in one foreign language is required. See this section of the catalog for options.

Doctor of Musical Arts in Performance Required Courses

Conservatory 5500-5600 Music History (three required)(a)	9
Conservatory 5500-5600 Music Theory (three required)	9
Conservatory 5591 Advanced Pedagogy	2(3)
Conservatory 5593 Introduction to Research and Bibliography in Music	3

Conservatory 5601 Applied Study(b)	4
Conservatory 5697 Doctoral Recital (three required)(c)	12
Conservatory 5697A Doctoral Lecture Recital	4
Conservatory 5697/5698/5699(d) Doctoral Research	4

(a) All doctoral students are required to complete three graduate music history courses. One must be a period course (Conservatory 5555-5559), one must be a seminar course, and the remaining course may be either. Any substitutions must be approved by the music history faculty.
(b) A minimum of one semester of Conservatory 5601, Applied Music, is required before the first solo recital. Voice performance majors, with the approval of the Vocal Studies Division, may enroll in 5697 (Doctoral Recital) any semester to receive credit for a major UMKC opera role (one time only).
(c) Performance majors must enroll in Conservatory 5601, Applied Music; Conservatory 5697, Doctoral Recital; or Conservatory 5697A, Doctoral Lecture Recital, each semester of registration until the recital requirement has been fulfilled.
(d) A minimum of one doctoral research project, exhibiting the highest level of independence, must be finished after comprehensive examinations are successfully completed.

Language Requirement: A proficiency in one foreign language is required. See this section of the catalog for options.

Notes:
Voice majors:
Must enroll in Conservatory 5547, History of Opera (3.0 hours), and one from Conservatory 5566 ABCD, Vocal Literature (2.0 hours). Voice majors must pass the diction proficiency test in French, German and Italian.
Instrumentalists:
All students whose major is an orchestral instrument must be enrolled in Conservatory Wind Symphony, Wind Ensemble or Conservatory Orchestra for a minimum of two semesters.
A maximum of three semesters of an ensemble can be counted on any D.M.A. planned program of study.
Must include three major works of chamber music in the recital component of the degree as determined in consultation with students' applied professor. These works may be performed on one program, or spread among the three recitals.
Keyboard:
Piano majors must enroll for a total of two credits in chamber music.

ARTIST'S CERTIFICATE REQUIRED COURSES

Lessons and Recitals (Solo Experiences)(a)	16
Electives(b)	13
Total hours (minimum)	**29**

(a) Instrumental Students - Lessons = four hours, recitals=12 hours; Keyboard Students - Recitals =16 hours (two solo, one concerto, one chamber); Voice Students - Lessons = four hours, recitals, opera roles, and/or oratorio roles =12 hours.
(b) Instrumental Students - Students must participate or enroll in four large ensembles and two chamber ensembles; Keyboard Students - Collaborative experiences, literature and pedagogy courses are recommended; Voice Students - Opera workshop, vocal literature, history of opera, vocal pedagogy, related arts courses in theater and art, as well as independent study experiences in language and performance are recommended.

Note: Voice students must pass the diction proficiency test in French, German and Italian.

INTERDISCIPLINARY PH.D. STUDY IN MUSIC EDUCATION

The Conservatory participates in the Interdisciplinary Ph.D. Program for students who desire music education as their coordinating discipline and curriculum and instruction as a co-discipline. Students with a background in music therapy can elect music education as their coordinating discipline and choose from possible co-discipline options in consultation with the music therapy faculty.

Application is made through the School of Graduate Studies.

Nursing, School of

SCHOOL OF NURSING

- Master of Science in Nursing(M.S.N)
  - Student Learning Outcomes
  - M.S.N. Degree Requirements
- Ph.D. in Nursing

STUDENT LEARNING OUTCOMES

Graduates of the M.S.N. Program will be prepared to:

1. Demonstrate advanced knowledge, values and skills in a selected area of nursing.
2. Demonstrate advanced knowledge, collaboration values and skills in a selected functional role.
3. Apply the process of systematic inquiry (research) to validate and expand nursing practice.
4. Integrate theory and research into advanced nursing practice.

M.S.N. DEGREE REQUIREMENTS

Required courses vary for each program option and are available upon request in the Nursing Student Services Office. Students have the option to attend full-time or part-time. Nurse practitioner and clinical nurse specialist students choosing to attend full-time must begin in a summer semester. The exception to this are the pediatric nurse practitioner students who begin full-time study in the fall semester.

PH.D. IN NURSING

The Program

Development of the overall program was guided by the American Association of Colleges of Nursing (AACN) Quality Indicators for Doctoral Education. Students identify one of the three substantive areas:

- Health Promotion and Protection
- Health Restoration and Support
- Health Care Systems

that best supports their research area and undertake coursework accordingly. In addition, students take 12 credit hours of coursework in a collateral field of study (i.e., outside the School of Nursing) that supports their research interests. Throughout the curriculum, students are expected to engage in a number of scholarly activities, such as grant writing, research presentations and manuscript submissions. Students may be admitted to the program either post-BSN or post-MSN, and progress through the program on either a full-time or part-time basis.

Doctoral education is predicated on a strong mentoring relationship between students and faculty throughout the curriculum. Students work with a faculty mentor/adviser throughout the program and together they establish a Supervisory Committee which formally approves students' individual programs of study, is responsible for their comprehensive examination and generally transitions into their Dissertation Committee. The expertise and guidance of this Committee is essential to students' doctoral education.

The Program Objectives

The nurse scholars prepared in this program will:

- Serve as leaders in nursing and health care.
- Function as nurse scientists to advance the body of knowledge that guides the practice of nursing and contributes to interdisciplinary knowledge.

Admission Requirements

Students may apply to the program as either post-B.S.N. or post-M.S.N. students. Applicants will be evaluated for doctoral nursing studies according to the following criteria:

- Grade-point average.
- Graduate Record Examination.
- Three letters of reference.
- Interview and original essay by invitation.

Pharmacy, School of

SCHOOL OF PHARMACY

- Master of Science
- Ph.D. Degree Requirements
- Requirements for Retention
- Requirements for M.S. Degree Conferral
- Non-Degree Seeking Graduate-Level Students

MASTER OF SCIENCE

Degree Requirements

Prior to full admission in the School of Pharmacy, graduate students in the pharmaceutical science or pharmacology and toxicology areas will have completed coursework in calculus, organic chemistry, physical chemistry, biochemistry, microbiology, human anatomy and physiology in University departments and schools outside the School of Pharmacy, when these courses are appropriate to their interests. They may also elect advanced courses related to their areas of interest. Because many courses have prerequisites, the sequence of emphasis area courses and elective courses is determined by the academic background of each student and their research interests and requires the concurrence of the faculty adviser.

Graduate students whose emphasis area is pharmaceutical science will be given a placement examination, administered by division faculty, to assess undergraduate preparation for graduate-level study. Deficiencies existing on admission must be discussed with the interim faculty adviser during the first semester of graduate work. Course equivalency is determined by the pharmaceutical science discipline faculty on a case-by-case basis. Students are required to pass the discipline placement exams before appearing for the comprehensive exams administered by the supervisory committee.

Minimum Requirements for M.S. Degree

1. The M.S. degree requires completion of a minimum of 32 credit hours of graduate study including two credit hours of Pharmacy Seminar, three credit hours of statistics and six credit hours of Pharmacy 5599 Research and Thesis. Although students are required to enroll and successfully complete only two credit hours of Pharmacy Seminar, pharmacy graduate students (degree- and non-degree-seeking) are required to participate and attend all scheduled sessions of Pharmacy Seminar each semester.
2. Before full acceptance to a degree-seeking program, students will be selected by a faculty adviser who must be a member of the University graduate faculty. The faculty adviser and student will plan the degree program of study, contingent on approval by the supervisory committee and the graduate programs committee of the school. The faculty adviser and two additional graduate faculty members serve as the M.S. supervisory committee.

Emphasis Area Requirements

Following are the emphasis area requirements for the M.S. degree in pharmaceutical science:

Courses		Hours
Pharmaceutical Science Courses		10
Other Coursework		11
Statistics		3
PHARM 5580A	Seminar	2
PHARM 5599A	Research and Thesis Pharmacy	
-or-		
PHARM 5599B	Research and Thesis Pharmaceutical Chemistry	6

Other graduate-level courses offered by the division or coursework in the Division of Pharmacology and Toxicology, Chemistry Department or the School of Biological Sciences may be taken with prior approval.

Following are the requirements for the M.S. degree in pharmaceutical science with emphasis in pharmacology and toxicology:

PHARM 5509	Basic Toxicology	3
PHARM 5519	Pharmacology I	4
PHARM 5520	Pharmacology II	5
PHARM 5615	Methods in Pharmacology and Toxicology	3
PHARM 5580C	Seminar*	2
PHARM 5599C	Research and Thesis	6

EDUC 5505	Statistical Methods I	3

A minimum of six credit hours must be chosen from the following optional courses:

PHARM 5521	Advanced Organic Medicinal Chemistry	3
PHARM 5531	Physical Pharmacy Equilibria	3
PHARM 5515	Drug Absorption, Distribution, Metabolism and Excretion	3
PHARM 5590AB	Receptor Pharmacology and Signal Transduction	3

* One credit hour of Pharmacy 5580C must be successfully completed in each academic year enrolled beginning with the second year. Attendance at all seminars is mandatory regardless of enrollment.
Other graduate-level courses offered by the division or coursework in the Division of Pharmaceutical Science, Department of Chemistry or School of Biological Sciences may be taken with prior approval.
Students with professional degrees in pharmacy will be required to take other advanced graduate-level courses that are offered.

M.S. Supervisory Committee and Program of Study

This committee comprises the faculty adviser and two other graduate faculty members recommended to the School of Graduate Studies by the student and faculty adviser. The faculty adviser, who serves as chairperson of the committee, and a majority of the members of a master's student supervisory committee must be full members of the graduate faculty. Therefore, no more than one member of a master's supervisory committee may be an adjunct graduate faculty member. A majority of the faculty making up the supervisory committee must be from the student's emphasis area. An adjunct member may not be counted toward the mandated representation from the emphasis area discipline. The supervisory committee must approve the plan of study and thesis research protocol submitted by the student.

Graduate credit for courses requires that the courses be at least 300- or 400-level and that a grade of B or better be obtained. A grade lower than B in a required 5500- or 5600-level course may be allowed to stand; however, the student's adviser and supervisory committee may require that the course be repeated.

Students enroll in courses with the approval of their faculty advisers. Within the first 12 hours of degree-seeking graduate study, the student has advanced to the point where a supervisory committee is appointed and the planned program of study is developed. The program of study must receive the approval of the supervisory committee and graduate programs committee.

A majority of the coursework applicable to any graduate degree at UMKC must be completed at UMKC. See the General Graduate Academic Regulations and Information section of this catalog for more information.

Comprehensive Examination for M.S. Candidates in Pharmaceutical Science

Students are required to pass written and oral comprehensive examinations on questions provided by the supervisory committee during the semester before the degree is to be conferred. However, the oral comprehensive exam may be incorporated with the thesis defense or final project. Generally, the written examination covers knowledge which should have been obtained in performance of coursework. The oral examination encompasses knowledge which should have been obtained in performance of research, as well as coursework.

The first comprehensive examination is written. Questions are submitted by each member of the supervisory committee, as guided by the chairperson. For students with an emphasis in pharmaceutical science, the division faculty, in conjunction with the supervisory committee, will submit questions for comprehensive exams. Once the written examination has been taken, the supervisory committee must convene to determine whether the student has passed. In the event that this examination is failed, the student may retake the examination within the next semester, but no sooner than 10 weeks after the first attempt. Failure to pass the second written examination results in dropping the student from the program.

On passing the written examination, the student and his or her major adviser will schedule an oral comprehensive examination at a time mutually agreeable to the supervisory committee. The general requirements of the oral comprehensive examination will be presented to the student in writing at least six weeks in advance of the date of the examination. A determination of pass or fail on the oral examination will be made by vote of the committee after the oral examination has been completed. In the event the oral examination is failed, the student will be given a second oral examination to take place no later than the semester following the failed examination. Failure to pass the oral examination a second time will mean the candidate is dropped from the program.

More than one negative vote on an M.S. oral or written comprehensive exam constitutes failure of the examination.

A minimum of three members of the supervisory committee must be present at the oral examination for the examination to be held. If the examination is canceled for lack of the required number of examiners, it should be scheduled again as soon as possible.

M.S. candidates whose emphasis is pharmacology and toxicology are not required to take written or oral comprehensive exams. However, the supervisory committee may examine a candidate's basic pharmacology knowledge at the time of the final oral thesis defense.

Thesis Defense

The final requirement for conferral of the M.S. degree is defense of the thesis, where the supervisory committee is the examining body. The thesis must be submitted in complete typewritten form to the adviser and supervisory committee at least six weeks before the date the advanced degree is to be conferred. See the Thesis and Dissertation Preparation and Approval Process listed under the School of Graduate Studies section of this catalog for regulations pertaining to thesis preparation. The defense is conducted only after the thesis has been certified for acceptance by the dean of the School of Graduate Studies and may not be administered when UMKC is not officially in session, nor on a weekend. The defense must be announced with an abstract at least two weeks in advance of the scheduled date of the defense.

The defense of the thesis is approved when a majority of the supervisory committee members recommend approval and sign the report of results form. Students must comply with all rules and regulations governing theses outlined under Minimum Academic Regulations Specific to Master's Degrees in the General Graduate Academic Regulations and Information section of this catalog.

PH.D. DEGREE REQUIREMENTS

See the Pharmaceutical Sciences or Pharmacology programs in the School of Graduate Studies catalog.

REQUIREMENTS FOR RETENTION

A cumulative GPA of 3.0 (B) or better must be maintained during each semester of enrollment in all work applicable to a graduate degree.

If a student does not maintain a cumulative GPA of 3.0 (B), eligibility to continue graduate enrollment will be determined in accordance with the probation policies of the School of Graduate Studies. See the School of Graduate Studies Requirements for Retention section of this catalog. Recommendations from the School of Pharmacy will be based on evaluations by the student's supervisory committee and the school's graduate programs committee, which reviews the progress of all graduate students at the end of each semester. The student is allowed one semester to return to good academic standing.

In addition to the above requirements, master's students in pharmaceutical science with an emphasis in pharmacology and toxicology who receive a grade below B in courses offered by the Division of Pharmacology and Toxicology will be required to repeat the course. A course may not be repeated more than once, and the repeated grade achieved must be a B or higher.

A student with an emphasis in pharmacology and toxicology who receives a grade of C in more than six credit hours or who receives a grade lower than C or NC is ineligible to continue the graduate program. A C grade achieved in courses approved and offered by the Division of Pharmacology and Toxicology must be repeated.

Requirements for M.S. Degree Conferral

In addition to completing the M.S. degree requirements listed in this section, students must adhere to all requirements for the graduate degree sought and related stipulations noted in the General Graduate Academic Regulations and Information section of this catalog.

Note: Program requirements and course descriptions are subject to change without notice after publication of this catalog. Pharmacy graduate students are encouraged to remain in contact with their major faculty adviser to stay apprised of program requirements in effect.

Non-Degree Seeking Graduate-Level Students

The School of Pharmacy recognizes that area residents employed in the pharmaceutical industry and related organizations may not desire to pursue a graduate degree, but may wish to take an occasional graduate course to update their knowledge base. Persons with baccalaureate degrees in pharmacy, chemistry or biology who have completed the appropriate prerequisite coursework for the courses they wish to undertake may request classification as 6-G non-degree-seeking graduate students. No more than 12 credit hours may be taken under a 6-G classification. Enrollment in any School of Pharmacy course requires a completed UMKC application form and approval of the director of pharmacy student affairs.

Notice to All Users of the UMKC 2008-2009 Undergraduate and Graduate Catalogs: UMKC is changing the way it produces and makes available its comprehensive catalog. The 2008-2009 Catalogs are the first to be produced under the new method.

A few things have not changed:

· Catalogs are no longer produced in print.

· Catalogs are available online at www.umkc.edu/catalog <http://www.umkc.edu/catalog>.

· Undergraduate and Graduate Catalogs are available in two versions, a web (HTML format) version, and a printable document (PDF format) version.

The first and most important thing that has changed is that the two versions (PDF and HTML) have different purposes:

· The PDF versions are the official sources of academic program requirements that govern progress towards completion of undergraduate and graduate degree, credential, and certificate programs. The PDF versions are produced annually and the information in each annual publication does not change after publication. This PDF version is not the best source of any information except 2008-2009 academic program requirements. See the HTML version for the most up to date departmental, unit, and university-wide information

· The HTML versions of the Undergraduate and Graduate Catalogs are the official sources of all other departmental, unit, and university-wide information related to undergraduate and graduate academic programs, including the most recent pending changes to program requirements that have been approved but are not yet effective. The HTML versions will be continually updated and are therefore the best source of current information such as university and program accreditation information, admissions policies and procedures, general academic regulations, fees, academic and student services and resource information, and faculty and staff contact information.