• The Department of Civil and Mechanical Engineering in the School of Computing and Engineering at UMKC offers the Bachelor of Science in Civil Engineering degree and the Bachelor of Science in Mechanical Engineering degree.

• General UMKC transfer credit policies can be found at http://www.umkc.edu/registrar/transfer-credit/.

• The major requires a minimum of 127 hours of coursework, and a minimum of 36 Junior/Senior level hours (300 level and above). A minimum of 30 credit hours must be completed at UMKC.

• In addition to the university admission requirements, students applying to the CE program or ME program must meet the following requirements:
  * 2.5 or higher GPA in all engineering degree applicable coursework and have completed Calculus I, College Chemistry with lab, and either Engineering Physics I or Calculus II, with no grades less than a “C”. Transfer students may petition for admittance if they do not meet these requirements.

• Students should apply to UMKC well in advance of the semester they hope to start. Applications to the University of Missouri - Kansas City may be obtained on-line at www.umkc.edu/apply or through UMKC Admissions. Students should request official transcripts from all colleges and universities they have attended be sent directly to the UMKC Admissions Office.

Contact: Civil and Mechanical Engineering Advising
Phone: 816-235-5550   Email: cmeadvising@umkc.edu
Civil Engineering: http://sce.umkc.edu/degree-programs/undergraduate/civil-engineering/
Mechanical Engineering: http://sce.umkc.edu/degree-programs/undergraduate/mechanical-engineering/

Please note it is the student's responsibility to confirm all degree requirements and transfer information. This guide is not a substitute for academic advisement at OTC or at UMKC. All students must develop an academic plan (which maps out all courses needed to graduate within your intended major/degree) with their academic advisor. A list of all General Education course equivalencies can be found at www.umkc.edu/transferguides/otc/OTC_GE_Courses_Alpha.pdf.
## OZARSKS TECHNICAL COMMUNITY COLLEGE TO UMKC TRANSFER GUIDE

### Bachelor of Science in Civil Engineering or Mechanical Engineering

#### 2015 - 2016

**UMKC GENERAL EDUCATION CORE**

Please note completion of the certified 42 hour general education core or the Associate of Arts degree from OTC satisfies all lower-level UMKC General Education Core requirements.

<table>
<thead>
<tr>
<th>UMKC Course</th>
<th>UMKC Title</th>
<th>CH</th>
<th>OTC Course</th>
<th>OTC Title</th>
<th>CH</th>
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<tbody>
<tr>
<td>DISC 100</td>
<td>Discourse I</td>
<td>3</td>
<td>ENG 101 or COM 105</td>
<td>Composition I or Public Speaking</td>
<td>3</td>
</tr>
<tr>
<td>DISC 200</td>
<td>Discourse II</td>
<td>3</td>
<td>ENG 102</td>
<td>Composition II</td>
<td>3</td>
</tr>
<tr>
<td>DISC 300</td>
<td>Discourse III - Civic and Community Engagement</td>
<td>3</td>
<td>No equivalent - completed at UMKC after transfer.</td>
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**FOCUS A - Arts and Humanities**

Focus A Course [Click for options] 3 Focus A Course [Click for options] 3

**FOCUS B - Scientific Reasoning and Quantitative Analysis**

CHEM 211 and CHEM 211L General Chemistry I and Experimental Chemistry I 5 CHM 111 General Chemistry I 5

**FOCUS C - Human Values, Actions, and Ethics**

Missouri Constitution Course HISTORY 101, HISTORY 102, or POL-SCI 210 3 Missouri Constitution Course HST 120, HST 130, or PLS 101 3

**FOCUS Elective**

MATH 210 Calculus I 4 MTH 140 Analytic Geometry and Calculus I 5

**ANCHOR I - Can be satisfied at OTC by completion of two additional Focus courses not previously completed OR by completion of the certified 42 hour general education core OR by completion of the Associate of Arts degree.**

PHYSICS 240 Physics For Scientists and Engineers I 5 PHY 220 Physics for Engineers and Scientists I 5

PHYSICS 250 Physics For Scientists and Engineers II 5 PHY 222 Physics for Engineers and Scientists II 5

**ANCHOR II - Can be satisfied at OTC by completion of two additional Focus courses not previously completed OR by completion of the certified 42 hour general education core OR by completion of the Associate of Arts degree.**

**ANCHOR III- Civic and Community Engagement - Completed at UMKC after transfer.**

<table>
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<tr>
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<th>CH</th>
<th>OTC Course</th>
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<th>CH</th>
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<tr>
<td>MATH 220</td>
<td>Calculus II</td>
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<td>MTH 141</td>
<td>Analytic Geometry and Calculus II</td>
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<td>CIV-ENGR 275</td>
<td>Engineering Statics</td>
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<td>EGR 201</td>
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<tr>
<td>MATH 250</td>
<td>Calculus III</td>
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<td>MTH 240</td>
<td>Analytic Geometry and Calculus III</td>
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<td>MEC-ENGR 272</td>
<td>Engineering Analysis II</td>
<td>4</td>
<td>MTH 241</td>
<td>Differential Equations</td>
<td>3</td>
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</tbody>
</table>

Please turn page over for additional information.