<table>
<thead>
<tr>
<th>Ozarks Technical Community College</th>
<th>Missouri S&amp;T</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Communication Skills</strong></td>
<td></td>
</tr>
<tr>
<td>Take all courses.</td>
<td></td>
</tr>
<tr>
<td>ENG 101 Composition I</td>
<td>ENGLISH 1120 Exposition and Argumentation 3</td>
</tr>
<tr>
<td>ENG 102 or ENG 150 Composition II or Technical Writing</td>
<td>ENGLISH 1160 Writing and Research or ENGLISH 3560 Technical Writing 3</td>
</tr>
<tr>
<td>Total Hours 6</td>
<td>Total Hours 9</td>
</tr>
<tr>
<td><strong>Mathematics and Science</strong></td>
<td></td>
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<tr>
<td>Take all courses.</td>
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</tr>
<tr>
<td>MTH 140 Analytical Geometry/Calculus I</td>
<td>MATH 1214 Calculus I 4</td>
</tr>
<tr>
<td>MTH 141 Analytical Geometry/Calculus II</td>
<td>MATH 1215 Calculus II 4</td>
</tr>
<tr>
<td>MTH 240 Analytical Geometry/Calculus III</td>
<td>MATH 2222 Calculus III 4</td>
</tr>
<tr>
<td>CHM 160, 161 General Chemistry</td>
<td>CHEM 1310, 1319 General Chemistry I and Lab 5</td>
</tr>
<tr>
<td>CHM 170, 171 General Chemistry II</td>
<td>CHEM 1320,1510 General Chemistry II and Qualitative Analysis 5</td>
</tr>
<tr>
<td>PHY 220 Physics for Engineers and Scientists I</td>
<td>PHYSICS 1135 Engineering Physics I 4</td>
</tr>
<tr>
<td>PHY 222 Physics for Engineers and Scientists II</td>
<td>PHYSICS 2135 Engineering Physics II 4</td>
</tr>
<tr>
<td>Total Hours 35</td>
<td>Total Hours 30</td>
</tr>
<tr>
<td><strong>Social Sciences</strong></td>
<td></td>
</tr>
<tr>
<td>Select up to 9 credit hours to include one course to satisfy Missouri state requirement.</td>
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</tr>
<tr>
<td>HST 106 or HST 120 or HST 130 or PLS 101 American Government and Politics 3</td>
<td>HISTORY 1200 or Modern Western Civilization or HISTORY 1300 or American History to 1877 or HISTORY 1310 or American History Since 1877 or POL SCI 1200 American Government 3</td>
</tr>
<tr>
<td>ECO 275 or ECO 270 Principles of Microeconomics or Principles of Macroeconomics 3</td>
<td>ECON 1100 or Principles of Microeconomics or ECON 1200 Principles of Macroeconomics 3</td>
</tr>
<tr>
<td>PSY 110 Intro to Psychology or other psychology 3</td>
<td>PSYCH 1101 General Psychology or other psychology 3</td>
</tr>
<tr>
<td>Social Science</td>
<td>Social Science Other economics, history, political science, sociology, or psychology. 3</td>
</tr>
<tr>
<td>Total Hours 9</td>
<td>Total Hours 9</td>
</tr>
<tr>
<td><strong>Humanities</strong></td>
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<tr>
<td>Select 6 hours.</td>
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</tr>
<tr>
<td>ENG 240 or ENG 270 or ENG 260</td>
<td>ENGLISH 1211 or British Literature I: The Beginnings to 1800 or ENGLISH 1221 or American Literature: 1600 to 1865 or ENGLISH 1231 World Literature I or other literature 3</td>
</tr>
<tr>
<td>ART 100 or MUS 105 or THR 101</td>
<td>ART 1180 or Art Appreciation or MUSIC 1150 or Music Appreciation or THEATRE 1190 Theatre via Video or other art, music, or theatre 3</td>
</tr>
<tr>
<td>PHL 101 Intro to Philosophy or other philosophy 3</td>
<td>PHILOS 1105 Self and World: Intro to Philosophy or other philosophy 3</td>
</tr>
<tr>
<td>Humanities Other fine art, literature, or philosophy 3</td>
<td>Humanities Other fine art, literature, or philosophy 3</td>
</tr>
<tr>
<td>Total Hours 6</td>
<td>Total Hours 6</td>
</tr>
<tr>
<td><strong>Additional Degree Requirements</strong></td>
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</tr>
<tr>
<td>Select additional courses to total up to the maximum transfer credit hours shown below.</td>
<td></td>
</tr>
<tr>
<td>CHM 242 Organic Chemistry I 5</td>
<td>CHEM 2210, 2219 Organic Chemistry I and Lab 4</td>
</tr>
<tr>
<td>CHM 243</td>
<td>CHEM 2220, 2229 Organic Chemistry II and Lab 4</td>
</tr>
<tr>
<td>CSC 160 or CSC 210 or CSC 140*</td>
<td>CS 1500 or CS 1971,1981* Computational Problem Solving or Intro to Programming Methodology and Lab* (C++) 3</td>
</tr>
<tr>
<td>Total Maximum credit hours to be transferred to Missouri S&amp;T degree requirements. 60</td>
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</tr>
</tbody>
</table>

Missouri S&T residency requirements: The last 60 hours of any Missouri S&T degree must be completed at Missouri S&T. Students must receive special permission from Missouri S&T to apply more than the maximum credit hours listed above toward the Missouri S&T degree. Students are not required to complete all courses on this guide before transferring to Missouri S&T.