Northeast Iowa Community College to ISU transfer guide for Microbiology BS

<table>
<thead>
<tr>
<th>Strongly recommended</th>
<th>English, Math &amp; Science Courses</th>
<th>Microbiology</th>
<th>Physical Sciences</th>
<th>Biological Sciences</th>
<th>English</th>
<th>Personal Development</th>
</tr>
</thead>
<tbody>
<tr>
<td>English 105 &amp; 106</td>
<td>Composition 1 &amp; 2</td>
<td>Micro 110</td>
<td>BBMB 301 or</td>
<td>Bio 313, L</td>
<td>Engl 302</td>
<td>Psych 131</td>
</tr>
<tr>
<td>BIO 112 &amp; 113</td>
<td>General Biology 1 &amp; 2</td>
<td>Micro 302</td>
<td>BBMB 336 or</td>
<td>Bio 314</td>
<td>Engl 309</td>
<td>Int’l Perspective</td>
</tr>
<tr>
<td>Bio 183 &amp; 184</td>
<td>Microbiology &amp; Lab</td>
<td>Micro 310, L</td>
<td>BBMB 404 or 405</td>
<td>Engl 312</td>
<td>Engl 314</td>
<td>US Diversity</td>
</tr>
<tr>
<td>CHM 160, 161 &amp; 170(^1)</td>
<td>Chemistry 1 &amp; 2 &amp; Lab</td>
<td>Micro 320</td>
<td>Biochemistry 1 &amp; 2</td>
<td>Engl 314</td>
<td>Engl 314</td>
<td>Lib 160</td>
</tr>
<tr>
<td>MAT 156</td>
<td>Statistics</td>
<td>Micro 430 or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT 210 &amp; 216(^1)</td>
<td>Calculus 1 &amp; 2</td>
<td>Micro 456 or</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 162 &amp; 172</td>
<td>College Physics 1 &amp; 2</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SPC 112</td>
<td>Public Speaking</td>
<td>Micro 440</td>
<td>Survey Biochemistry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>General Education</strong></td>
<td><strong>Requirements</strong></td>
<td>Micro 450</td>
<td>Principles of Biochemistry</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Humanities</strong> – Pick 1</td>
<td></td>
<td>Micro 451</td>
<td>Biochemistry 1 &amp; 2</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 131</td>
<td>World Civilization 1</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 132</td>
<td>World Civilization 2</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 151</td>
<td>US History to 1877</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>HIS 152</td>
<td>US History since 1877</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>LIT 101</td>
<td>Introduction to Literature</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHI 101</td>
<td>Introduction to Philosophy</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>REL 105</td>
<td>Introduction to Religion</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Ethics</strong> PHI 105</td>
<td>Introduction to Ethics</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>Social Science</strong> – Pick 1</td>
<td></td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AGB 235</td>
<td>Introduction to Agriculture Markets</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>COM 140</td>
<td>Introduction to Mass Media</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRI 100</td>
<td>Introduction to Criminal Justice</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>CRI 201</td>
<td>Juvenile Delinquency</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECN 120</td>
<td>Principles of Macroeconomics</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ECN 130</td>
<td>Principles of Microeconomics</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>POL 111</td>
<td>American National Government</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 251</td>
<td>Social Psychology</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PSY 261</td>
<td>Human Sexuality</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 110</td>
<td>Introduction to Sociology</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 115</td>
<td>Social Problems</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 120</td>
<td>Marriage and Family</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>SOC 208</td>
<td>Introduction to Cultural Anthropology</td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><strong>65 cr. Limit that can apply to BS</strong></td>
<td></td>
<td>Micro 477</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

\(^1\) Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Mat 210 and Mat 216 and CHM 171 Lab at Northeast Iowa CC.

\(^2\) Credit for Bio 184 at Northeast Iowa counts as Micro 302 Lab at ISU.

The Course numbers may vary somewhat from school to school. Double check the ISU Course Equivalency guides (http://www.admissions.iastate.edu/equiv/index.php?state=iowa)