### Iowa Lakes Community College to ISU transfer guide for Microbiology BS

#### Courses to be completed at Iowa Lakes

<table>
<thead>
<tr>
<th>Strongly recommended</th>
<th>Microbiology</th>
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<tbody>
<tr>
<td>ENG 105 &amp; 106</td>
<td>Micro 110</td>
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<tr>
<td>BIO 112 &amp; 113</td>
<td>Micro 302, L</td>
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<tr>
<td>CHM 166, 166 Lab &amp; CHM 176</td>
<td>Micro 310, L</td>
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<tr>
<td>CHM 263, 263 Lab &amp; CHM 273</td>
<td>Micro 320</td>
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<tr>
<td>MAT 156 or 157</td>
<td>Environmental Micro</td>
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<tr>
<td>MAT 127</td>
<td>Orientation in Micro</td>
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<tr>
<td>MAT 211</td>
<td>Biochemistry</td>
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<tr>
<td>PHYS 162 &amp; 172</td>
<td>Biological Sciences</td>
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<tr>
<td>SPC 112</td>
<td>English</td>
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#### General Education

**Humanities – Pick 1**
- HIS 110 Western Civilization: Ancient to Modern 3
- HIS 111 Western Civilization: Modern to Present 3
- HIS 151 US History to 1877 3
- HIS 152 US History since 1877 3
- MUS 100 Music Appreciation 3
- PHI 101 Introduction to Philosophy 3
- REL 101 Survey of World Religions 3

**Ethics**
- PHI 105 Introduction to Ethics 3

**Social Science – Pick 1**
- ANT 105 Cultural Anthropology 3
- CRJ 100 Introduction to Criminal Justice 3
- ECN 120 Principles of Macroeconomics 3
- ECN 130 Principles of Microeconomics 3
- POL 111 American National Government 3
- PSY 121 Developmental Psychology 3
- PSY 251 Social Psychology 3
- SOC 110 Introduction to Sociology 3
- SOC 120 Marriage and Family 3

**Recommended Preparation**
- Bio 186 Microbiology (Includes lab) 4

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1. Students intending to double major in Micro/Biochemistry or Micro/Genetics should take Mat 211 and Mat 217 and CHM 176 Lab and CHM 273 Lab at ILCC.
2. Bio 186 lab at Iowa Lakes counts as Micro 302 Lab at ISU. If the Bio 186 lab was not in person, then we recommend taking Micro 302Lab at ISU.


To reach 128 total credits

3/2021