## Microbiology Minor (Non-Teaching)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOM 103IN</td>
<td>Unseen Universe: Microbes</td>
<td>3</td>
</tr>
<tr>
<td>or BIOM 250</td>
<td>Microbiology for Health Sciences: Infectious Diseases</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 160</td>
<td>Principles of Living Systems</td>
<td>4</td>
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<tr>
<td>or BIOM 260</td>
<td>Cellular and Molecular Biology</td>
<td>4</td>
</tr>
<tr>
<td>BIOM 360</td>
<td>General Microbiology pre-req BIOM 160, CHMY 141 &amp; 143</td>
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### Microbiology Electives (need 13 cr. from list below)

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>BIOM 101</td>
<td>Careers in Microbiology</td>
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</tr>
<tr>
<td>BIOM 210RN</td>
<td>Environmental Health Science</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 365</td>
<td>Astrobiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 363</td>
<td>Eukaryotic Cell Biology</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 400</td>
<td>Medical Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 410</td>
<td>Microbial Genetics</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 405</td>
<td>Host-Associated Microbiomes</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 415</td>
<td>Microbial Diversity, Ecology, and Evolution</td>
<td>3</td>
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<tr>
<td>BIOM 419</td>
<td>Programming for Biologists</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 421</td>
<td>Concepts of Plant Pathology</td>
<td>3</td>
</tr>
<tr>
<td>BIOM 423</td>
<td>Mycology</td>
<td>3</td>
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<tr>
<td>BIOM 425</td>
<td>Toxicology: Science of Poisons</td>
<td>3</td>
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<tr>
<td>BIOM 430</td>
<td>Applied and Environmental Microbiology</td>
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<tr>
<td>BIOM 427</td>
<td>General Parasitology</td>
<td>4</td>
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<tr>
<td>BIOM 431</td>
<td>Medical Bacteriology</td>
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<tr>
<td>BIOM 432</td>
<td>Med Bacteriology Lab</td>
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<tr>
<td>BIOM 435</td>
<td>Virology</td>
<td>3</td>
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<tr>
<td>BIOM 441</td>
<td>Eukaryotic Pathogens</td>
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<tr>
<td>BIOM 450</td>
<td>Microbial Physiology</td>
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<tr>
<td>BIOM 452</td>
<td>Soil &amp; Environmental Microbiology</td>
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<tr>
<td>BIOM 455R</td>
<td>Research Mthds in Microbiology</td>
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<tr>
<td>BIOM 457R</td>
<td>Research Methods in Immunology</td>
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<tr>
<td>BIOM 460</td>
<td>Infectious Diseases Ecology and Spillover</td>
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<tr>
<td>BIOM 490R</td>
<td>Undergraduate Research ((max of 3 cr for minor))</td>
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<tr>
<td>BIOM 498R</td>
<td>Microbiology and Biotechnology Internships</td>
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<tr>
<td>BIOB 410</td>
<td>Immunology</td>
<td>3</td>
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<tr>
<td>BIOB 424</td>
<td>Ethical Practice of Science</td>
<td>3</td>
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<tr>
<td>BIOB 477</td>
<td>Genome Science and Gene Expression</td>
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<tr>
<td>BIOH 405</td>
<td>Hematology</td>
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<tr>
<td>BIOH 406</td>
<td>Hematology Laboratory</td>
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<tr>
<td>BIOH 422</td>
<td>Genes and Cancer</td>
<td>3</td>
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<tr>
<td>BIOH 458</td>
<td>Human Pathophysiology</td>
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A minimum of 9 credits total must be in courses numbered 300 and above. A maximum of 2 Undergraduate Research credits can be applied to the minor.