MINOR IN MICROBIOLOGY

A minor in Microbiology will be of considerable benefit to students majoring in biological science, natural science, food science, biochemistry, some fields of engineering, and other science-related fields.

Requirements
Effective Spring 2015

Students must satisfactorily complete the total credits required for the minor. Minors and interdisciplinary minors require 12 or more upper-division (300- to 400-level) credits.

Additional coursework may be required due to prerequisites.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Core Courses</td>
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<tr>
<td>MIP 300</td>
<td>General Microbiology</td>
<td>3</td>
</tr>
<tr>
<td>MIP 302</td>
<td>General Microbiology Laboratory</td>
<td>2</td>
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<tr>
<td>MIP 342</td>
<td>Immunology</td>
<td>4</td>
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</tbody>
</table>

Selected Courses (select a minimum of 12 credits from the following lists)

Select at least one from the following: 3-4
- MIP 351 Medical Bacteriology
- MIP 420 Medical and Molecular Virology

Select at least one from the following: 3-4
- MIP 443 Microbial Physiology
- MIP 450 Microbial Genetics

Select 4-6 credits not taken above, including one laboratory course, from the following: 4-6
- MIP 334 Food Microbiology
- MIP 343 Immunology Laboratory
- MIP 350 Microbial Diversity
- MIP 351 Medical Bacteriology
- MIP 352 Medical Bacteriology Laboratory
- MIP 420 Medical and Molecular Virology
- MIP 425 Virology and Cell Culture Laboratory
- MIP 432 Microbial Ecology
- MIP 436 Industrial Microbiology
- MIP 443 Microbial Physiology
- MIP 450 Microbial Genetics
- MIP 462/ BZ 462/ BSPM 462 Parasitology and Vector Biology
- MIP 498 Research

Program Total Credits: 21