## MICROBIOLOGY MINOR

Also available via Ecampus.

Administered by the Department of Microbiology (https://catalog.oregonstate.edu/college-departments/science/school-life-sciences/microbiology) under the School of Life Sciences.

The Microbiology minor is designed for students from other majors who have an additional interest in the field of microbiology. Student majoring in Biology (BI) or BioHealth Sciences (BHS) cannot declare the Microbiology minor. The courses used for the MB minor may be shared with other majors, options, and minors.

Some of the courses required for the Microbiology minor have additional prerequisites or grade requirements that are separate from the MB minor. At a minimum students will need to take BI 204/205/206 or BI 211/212/213.

**Minor Code:** 570

### Required Courses

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHS 255/MB 255</td>
<td>ALLIED HEALTH MICROBIOLOGY</td>
<td>4-5</td>
</tr>
<tr>
<td>or MB 230 255</td>
<td>INTRODUCTORY MICROBIOLOGY</td>
<td></td>
</tr>
<tr>
<td>or MB 302 255</td>
<td>GENERAL MICROBIOLOGY</td>
<td></td>
</tr>
<tr>
<td>&amp; MB 303 255</td>
<td>GENERAL MICROBIOLOGY LABORATORY</td>
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</tbody>
</table>

### Electives

**Choose a total of 23 credits from the classes listed in Category I and Category II below. No more than 9 credits can come from Category II.**

**Category I Electives**

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>BHS 316 302</td>
<td>PRINCIPLES OF IMMUNOLOGY</td>
</tr>
<tr>
<td>BHS 323 302</td>
<td>MICROBIAL INFLUENCES ON HUMAN HEALTH</td>
</tr>
<tr>
<td>BHS 329 302</td>
<td>MECHANISMS OF DISEASE: INTRODUCTION TO GENERAL PATHOLOGY</td>
</tr>
<tr>
<td>BOT 350 302</td>
<td>INTRODUCTORY PLANT PATHOLOGY</td>
</tr>
<tr>
<td>BOT 461 302</td>
<td>MYCOLOGY</td>
</tr>
<tr>
<td>MB 310 302</td>
<td>BACTERIAL MOLECULAR GENETICS</td>
</tr>
<tr>
<td>MB 311 302</td>
<td>*MOLECULAR MICROBIOLOGY LAB: A WRITING INTENSIVE COURSE</td>
</tr>
<tr>
<td>MB 312 302</td>
<td>BACTERIAL PHYSIOLOGY AND METABOLISM</td>
</tr>
<tr>
<td>MB 314 302</td>
<td>AQUATIC MICROBIOLOGY</td>
</tr>
<tr>
<td>MB 385 302</td>
<td>*EMERGING INFECTIOUS DISEASES AND EPIDEMICS</td>
</tr>
<tr>
<td>MB 401 302</td>
<td>RESEARCH</td>
</tr>
<tr>
<td>MB 406 302</td>
<td>SPECIAL PROJECTS</td>
</tr>
<tr>
<td>MB 416 302</td>
<td>IMMUNOLOGY</td>
</tr>
<tr>
<td>MB 417 302</td>
<td>IMMUNOLOGY LABORATORY</td>
</tr>
<tr>
<td>MB 420 302</td>
<td>MICROBIAL GENOMES, BIOGEOCHEMISTRY, AND DIVERSITY</td>
</tr>
<tr>
<td>MB 434 302</td>
<td>VIROLOGY</td>
</tr>
<tr>
<td>MB 435 302</td>
<td>PATHOGENIC MICROBES LABORATORY</td>
</tr>
<tr>
<td>MB 436 302</td>
<td>THE HUMAN MICROBIOME</td>
</tr>
<tr>
<td>MB 440 302</td>
<td>FOOD MICROBIOLOGY</td>
</tr>
<tr>
<td>MB 441 302</td>
<td>FOOD MICROBIOLOGY LABORATORY</td>
</tr>
</tbody>
</table>

### Category II Electives

Choose 0-9 credits from the courses listed below:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>ANS 302 302</td>
<td>COMMON DISEASES OF COMPANION ANIMALS</td>
</tr>
<tr>
<td>BB 485 302</td>
<td>APPLIED BIOINFORMATICS</td>
</tr>
<tr>
<td>BI 420 302</td>
<td>*VIRUSES IN MODERN SOCIETY</td>
</tr>
<tr>
<td>BI 495 302</td>
<td>DISEASE ECOLOGY</td>
</tr>
<tr>
<td>BOT 324 302</td>
<td>*FUNGI IN SOCIETY</td>
</tr>
<tr>
<td>BOT 480 302</td>
<td>PHOTOSYNTHESIS AND PHOTOBIOLOGY</td>
</tr>
<tr>
<td>FST 360 302</td>
<td>FOOD SAFETY AND SANITATION</td>
</tr>
<tr>
<td>FST 460 302</td>
<td>BREWING SCIENCE</td>
</tr>
<tr>
<td>FST 461 302</td>
<td>BREWING ANALYSIS</td>
</tr>
<tr>
<td>H 312 302</td>
<td>*HIV/AIDS AND STIS IN MODERN SOCIETY</td>
</tr>
<tr>
<td>H 320 302</td>
<td>INTRODUCTION TO HUMAN DISEASE</td>
</tr>
</tbody>
</table>

**Total Hours:** 27-28

- Baccalaureate Core Course (BCC)
- Writing Intensive Course (WIC)

Not more than 3 credits can consist of MB 401 or MB 406. Other blanket courses (MB 403, MB 405, MB 407, MB 410) cannot be used to satisfy the minor requirement. All of these courses must be graded, not taken S/U.

**Minor Code:** 570