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.

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

Choose 14-23 credits from the list of courses below:

- BHS 316: PRINCIPLES OF IMMUNOLOGY
- BHS 323: *MICROBIAL INFLUENCES ON HUMAN HEALTH
- BHS 329: MECHANISMS OF DISEASE: INTRODUCTION TO GENERAL PATHOLOGY
- BOT 350: INTRODUCTORY PLANT PATHOLOGY
- BOT 461: MYCOLOGY
- MB 310: BACTERIAL MOLECULAR GENETICS
- MB 311: *MOLECULAR MICROBIOLOGY LAB: A WRITING INTENSIVE COURSE
- MB 312: BACTERIAL PHYSIOLOGY AND METABOLISM
- MB 314: AQUATIC MICROBIOLOGY
- MB 385: *EMERGING INFECTIOUS DISEASES AND EPIDEMICS
- MB 401: RESEARCH
- MB 406: SPECIAL PROJECTS
- MB 416: IMMUNOLOGY
- MB 417: IMMUNOLOGY LABORATORY
- MB 420: MICROBIAL GENOMES, BIOGEOCHEMISTRY, AND DIVERSITY
- MB 434: VIROLOGY
- MB 435: PATHOGENIC MICROBES LABORATORY
- MB 436: THE HUMAN MICROBIOME
- MB 440: FOOD MICROBIOLOGY
- MB 441: FOOD MICROBIOLOGY LABORATORY
- MB 448: MICROBIAL ECOLOGY
- MB 456: MICROBIAL GENETICS AND BIOTECHNOLOGY
- MB 479/FST 479: FERMENTATION MICROBIOLOGY
- MB 480: GENERAL PARASITOLOGY
- MB 491/FW 491: FISH DISEASES IN CONSERVATION BIOLOGY AND AQUACULTURE
- MB 496/FW 496: FISH DISEASES IN CONSERVATION BIOLOGY AND AQUACULTURE LAB

**Category II Electives**

Choose 0-9 credits from the courses listed below:

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

**Total Hours** 27-28

* Baccalaureate Core Course (BCC)
^ Writing Intensive Course (WIC)
1 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