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

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Hours</th>
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<tbody>
<tr>
<td>BHS 255/MB</td>
<td>ALLIED HEALTH MICROBIOLOGY</td>
<td>4-5</td>
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<tr>
<td>or MB 230</td>
<td>INTRODUCTORY MICROBIOLOGY</td>
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<td>or MB 302</td>
<td>GENERAL MICROBIOLOGY</td>
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<td>&amp; MB 303</td>
<td>GENERAL MICROBIOLOGY LABATORY</td>
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Electives 23

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 FISHER DISEASES IN CONSERVATION BIOLOGY AND AQUACULTURE
MB 496/FW 496 FISHER 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
MB 330 DISEASE AND SOCIETY

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