

Microbiology Minor Checklist

Course	Title	Credits	Hours
Required Courses: choose one of the following lecture/lab combinations			4-5
BHS 255/MB 255	*Allied Health Microbiology	4	
or MB 230	*Introductory Microbiology	4	
or MB 302 AND MB 303	General Microbiology <i>AND</i> & General Microbiology Laboratory	3 + 2	
Electives: Choose a total of 23 credits from the classes in Category I & Category II. No more than 9 credits can come from Category II.			23
Category I Electives²: Choose 14-23 credits from these courses:			14-23
BHS 316	Principles of Immunology	3	
BHS 323	^Microbial Influences on Human Health	3	
BHS 329	Mechanisms of Disease: Introduction to General Pathology	3	
BHS 340/MB 340	Human Virology	4	
BOT 350	Introductory Plant Pathology	4	
BOT 461	Mycology	5	
MB 310	Bacterial Molecular Genetics	3	
MB 311	^Molecular Microbiology Lab: A Writing Intensive Course	3	
MB 312	Bacterial Physiology and Metabolism	3	
MB 314	Aquatic Microbiology	3	
MB 385	^Emerging Infectious Disease and Epidemics	3	
MB 401	Research	1-3	
MB 406	Special Projects	1-3	
MB 416	Immunology	3	
MB 417	Immunology Laboratory	2	
MB 420	Microbial Genomes, Biogeochemistry, and Diversity	3	
MB 422	Aquatic Microbiology Laboratory	2	
MB 430	Bacterial Pathogenesis	3	
MB 434	Virology	3	
MB 435	Pathogenic Microbes Laboratory	2	
MB 436	The Human Microbiome	3	
MB 440	Food Microbiology	3	
MB 441	Food Microbiology Laboratory	2	
MB 448	Microbial Ecology	3	
MB 456	Microbial Genetics and Biotechnology	3	
MB 479/FST 479	Fermentation Microbiology	3	
MB 480	General Parasitology	3	
MB 491/FW 491	Fish Diseases in Conservation Biology and Aquaculture	3	
MB 496/FW 496	Fish Diseases Laboratory	2	
Category II Electives: Choose 0-9 credits from these courses			0-9
ANS 302	Common diseases of Companion Animals	4	
BB 485	Applied Bioinformatics	3	
BI 420	*Viruses in Modern Society	3	
BI 495	**Disease Ecology	3	
BOT 324	*Fungi in Society	3	
BOT 480	Photosynthesis and Photobiology	3	
FST 360	Food Safety and Sanitation	3	
FST 460	Brewing Science	3	
FST 461	Brewing Analysis	3	
H 312	*HIV/AIDS and STIS in Modern Society	3	
H 320	Introduction to Human Disease	3	
MB 330	*Disease and Society	3	
Total Hours			27-28

*Baccalaureate Core Course (BCC)

^Writing Intensive Course (WIC)

**Limited to students at OSU-Cascades

¹Two (2) lab sessions on campus are required

²Not 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.

Terms/Formats current as of Summer 2019. See the [OSU schedule of classes](#) for current information. Offerings subject to change. For the most up to date Microbiology Minor requirements, see [this description](#).