

# AQUATIC MICROBIOLOGY OPTION

This option is offered within the following major(s):

- Microbiology - College of Science (<http://catalog.oregonstate.edu/college-departments/science/school-life-sciences/microbiology/microbiology-bs-hbs/>)

The Aquatic Microbiology option encompasses a core of oceanography and microbiology courses heavy in coverage of aquatic systems, combined with a selection of elective courses offered by various departments. The option is designed to provide a microbiology major with a detailed understanding of the role that microbes play in aquatic systems and for aquatic organisms, as well as an understanding of aquatic systems in general. The option complements the Marine Studies Initiative, which should stimulate interest in aquatic systems by students across campus.

## Option Code: 736

Courses used to satisfy the Aquatic Microbiology option requirements may also satisfy the Upper-Division Microbiology Electives and Upper-Division Microbiology laboratory requirements in the Microbiology major.

Code	Title	Credits
<b>Required courses</b>		
MB 314	AQUATIC MICROBIOLOGY	3
MB 420	MICROBIAL GENOMES, BIOGEOCHEMISTRY, AND DIVERSITY	3
MB 448	MICROBIAL ECOLOGY	3
OC 201	*OCEANOGRAPHY	4
Select 8 credits of the following:		8
BI 351	MARINE ECOLOGY	
BI 373	*FIELD METHODS IN MARINE ECOLOGY	
BI 450	*MARINE BIOLOGY AND ECOLOGY	
BI 495	DISEASE ECOLOGY	
BOT 416	AQUATIC BOTANY	
BOT 476	INTRODUCTION TO COMPUTING IN THE LIFE SCIENCES	
BOT 480	PHOTOSYNTHESIS AND PHOTOBIOLOGY	
FW 434	ESTUARINE ECOLOGY	
or OC 434	ESTUARINE ECOLOGY	
FW 456	FRESHWATER ECOLOGY AND CONSERVATION	
FW 464	MARINE CONSERVATION BIOLOGY	
MB 491/FW 491	FISH DISEASES IN CONSERVATION BIOLOGY AND AQUACULTURE	
MB 496/FW 496	FISH DISEASES IN CONSERVATION BIOLOGY AND AQUACULTURE LAB	
Total Credits		21

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Baccalaureate Core Course (BCC)

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Writing Intensive Course (WIC)

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