

# MARINE BIOLOGY, ASSOCIATE OF SCIENCE

The Associate of Science (AS) Marine Biology is designed for students who intend to transfer to the University of Oregon (UO) and complete their bachelor's degree at the Oregon Institute of Marine Biology (OIMB) in marine biology. The background offered by this major, however, is entirely appropriate for preparation for upper division emphasis in other professional fields such as medical, dental or veterinary school. Career options for marine biology graduates include jobs in state and federal government, advanced training for research and teaching in the marine sciences, and most other careers available to broadly trained biologists.

## ENTRY REQUIREMENTS:

Students are required to take the following courses prior to the program courses, achieve placement beyond these courses: MTH95 Intermediate Algebra; WR90 Paragraph Fundamentals (or placement in higher writing course) or WR90R Academic Literacy.

Course	Title	Credits
<b>First Year</b>		
<b>Fall</b>		
BI221Z	Principles of Biology: Cells	5
CHEM221Z	General Chemistry I	4
CHEM227Z	General Chemistry I Laboratory	1
MTH111Z	Precalculus I: Functions	4
WR121Z	Composition I	4
<b>Credits</b>		<b>18</b>
<b>Winter</b>		
BI222Z	Principles of Biology: Organisms	5
CHEM222Z	General Chemistry II	4
CHEM228Z	General Chemistry II Laboratory	1
MTH112Z	Precalculus II: Trigonometry	4
WR122Z or WR227Z	Composition II or Technical Writing	4
<b>Credits</b>		<b>18</b>
<b>Spring</b>		
BI142	Habitats: Marine Biology	4
BI223Z	Principles of Biology: Ecolo/Evolut	5
CHEM223Z	General Chemistry III	4
CHEM229Z	General Chemistry III Laboratory	1
GS108	Oceanography	4
<b>Credits</b>		<b>18</b>
<b>Second Year</b>		
<b>Fall</b>		
COMM111Z	Public Speaking	4
MTH251Z	Differential Calculus	4
PH201 or PH211	General Physics I: Mechanics or General Physics with Calculus I	5
Cultural Literacy Course <sup>1</sup>		3
<b>Credits</b>		<b>16</b>

<b>Winter</b>		
MTH252Z	Integral Calculus	4
PH202 or PH212	General Physics II: Heat, Waves, Relativity or General Physics with Calculus II	5
Cultural Literacy Course <sup>2</sup>		3-4
Social Science Course <sup>3</sup>		3-4
<b>Credits</b>		<b>15-17</b>
<b>Spring</b>		
PE231	Wellness for Life (or a PE185 course)	3
Arts and Letters Course <sup>4</sup>		3-4
Arts and Letters Course <sup>5</sup>		3
Social Science Course <sup>6</sup>		3-4
<b>Credits</b>		<b>12-14</b>
<b>Total Credits</b>		<b>97-101</b>