

ASSOCIATE OF SCIENCE MARINE BIOLOGY EMPHASIS

The Associate of Science (AS) Marine Biology Emphasis is designed for students who intend to transfer to the University of Oregon (UO) and complete their degree at Oregon Institute of Marine Biology (OIMB), majoring in marine biology. The background offered by this major, however, is entirely appropriate for preparation for upper division emphasis in other professional fields like medical, dental, or veterinary school.

This AS degree, as presented, also satisfies the requirements for an AA/OT for ease of transfer to UO. By completing general education requirements for the AA/OT, as well as the recommended science courses, students will be able transfer to UO and complete a BS in Marine Biology or a BS in Biology with Marine Biology Emphasis.

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.

The following program outline is one of many possible course configurations that would satisfy the requirements for an AS Marine Biology Emphasis and AA/OT transfer degree and also fulfill basic requirements for graduation from UO. Each student should meet with an advisor to determine appropriate sequence of courses to be taken, depending on placement scores, transfer credits, and other factors.

Upon completion of an AS Marine Biology Emphasis (and AA/OT) and transfer to UO, additional courses need to be taken at the Eugene campus. These courses include organic chemistry CH331 and CH335, BI214, and physics (unless it was taken at SWOCC) and upper division Biology courses. Additional Biology courses are then taken at OIMB (a minimum of three quarters are required at OIMB in Charleston).

PROGRAM STUDENT LEARNING OUTCOMES

Upon successful completion of this program the student will be able to:

- Fulfill the student learning outcomes for an AA/OT or an AS degree
- Participate in recommended science courses that could include introductions to oceanography and marine biology in preparation for transfer into a marine biology program.
- Enhance science skills and technical modes of inquiry with recommended elective credits.

GRADUATION REQUIREMENTS

Students must complete a minimum of 90 credit hours with a minimum Grade Point Average (GPA) of 2.0 or better. All courses in this program must be completed with a 'C' or better. Twenty-four (24) credits must be completed at Southwestern before the AS degree is awarded.

Courses that are developmental in nature, designed to prepare students for college transfer courses, are not applicable to this degree.

Complete the graduation application process one term prior to the term of completion (e.g., spring term graduates must apply during winter term).

PROGRAM
REQUIREMENTS

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PREREQUISITES		CIS90 (2) Computer Basics (or demonstrate proficiency)	MTH95 (4) Intermediate Algebra II (or placement test score)	Reading Score of ASSET42 COMPASS81	WR90 (3) Paragraph Fundamentals (or placement test score)	
PROGRAM REQUIREMENTS	FALL = 15 CREDITS	BI201 (4) Introductory Biology ¹	(3) Arts and Letters ²	MTH111 (4) College Algebra	WR121 (3) English Composition	PE185 (1) Physical Education ³
	WINTER = 15 CREDITS	BI202 (4) Introductory Biology ¹	(3) Social Sciences ⁴	MTH112 (4) Trigonometry	WR122 (3) English Composition	PE185 (1) Physical Education ³
	SPRING = 15 CREDITS	BI203 (4) Introductory Biology ¹	(3) Social Sciences ⁴	GS108 (4) Oceanography	BI111 (1) Marine Habitats of the Oregon Coast	WR123 (3) English Composition ⁵
45 CREDITS = FIRST YEAR TOTAL						
	FALL = 15 CREDITS	CHEM221 (5) General Chemistry ¹	(3) Arts and Letters ²	MTH251 (4) Calculus I (Differential Calculus)	SP100 (3) Basic Speech Communications ⁶	
	WINTER = 15 CREDITS	CHEM222 (5) General Chemistry ¹	(3) Arts and Letters ²	(3) Social Sciences ⁴	MTH252 (4) Calculus II (Integral Calculus)	
	SPRING = 16 CREDITS	CHEM223 (5) General Chemistry ¹	(3) Social Sciences ⁴	BI142 (4) Habitats: Marine Biology	PE185 (1) Physical Education ³	BI180/280 (3) Internship/CWE: Biology
46 CREDITS = SECOND YEAR TOTAL						
91 CREDITS = TOTAL RECOMMENDED PROGRAM CREDITS						

PROGRAM NOTES

¹Complete two science and lab sequences at SWOCC, then complete the third science lab sequence at UO.

²Select nine (9) credit hours of Arts and Letters from Discipline Studies Requirements courses listed (see page 16).

³HE250, PE231 or three (3) credits of PE185.

⁴Select nine (9) credit hours of Social Sciences from Discipline Studies Requirements courses listed (see page 16).

⁵WR227 may be substituted for WR123.

⁶SP111, SP218 or SP219 may be substituted for SP100.