

# BA/BS MAJOR IN MARINE BIOLOGY

## Requirements for a Bachelor of Arts or Bachelor of Science Degree with a Major in Marine Biology

Additional Graduation Requirements (<https://catalog.una.edu/undergraduate/academic-procedures-requirements/graduation-requirements>)

Code	Title	Hours
<b>General Education Component</b> ( <a href="https://catalog.una.edu/undergraduate/academic-procedures-requirements/general-education-component">https://catalog.una.edu/undergraduate/academic-procedures-requirements/general-education-component</a> )		
Area I (Written Composition) <sup>1</sup>		6
Area II (Humanities and Fine Arts)		12
Area III (Natural, Sciences and Mathematics)		11
BI 111	Principles of Biology	
& BI 112	and Principles of Biology	
Select one from the following:		
MA 112	Pre-Calculus Algebra	
MA 115	Pre-Calculus Algebra and Trigonometry	
MA 125	Calculus I	
Area IV (History, Social and Behavioral Science)		12
Area V ( <a href="https://www.una.edu/areav">https://www.una.edu/areav</a> )		
<b>Major Core Requirements</b>		
BI 111	Principles of Biology <sup>2</sup>	4
BI 112	Principles of Biology <sup>2</sup>	4
BI 200W	Biological Literature	1
BI 305	Cell Biology	4
BI 306	Genetics	4
BI 307	Microbiology	4
BI 312	Evolution	3
BI 403	Marine Invertebrate Zoology	4
BI 408	Marine Vertebrate Zoology	4
BI 429	Marine Botany	4
BI 498	Senior Assessment Seminar	1
<b>Population Biology</b>		
Select one from the following:		4
BI 411	Coastal Wetlands Ecology	
BI 412	Marine Ecology	
BI 413	Marine Behavioral Ecology	
<b>Prescribed Supporting Courses</b>		
Select one from the following:		3
CIS 125	Business Applications of Microcomputer Software	
Higher level computer science and computer information systems course		
Select one from the following:		3-4
MA 112	Pre-Calculus Algebra <sup>2</sup>	
MA 113	Pre-Calculus Trigonometry <sup>2</sup>	
MA 115	Pre-Calculus Algebra and Trigonometry <sup>2</sup>	

MA 125	Calculus I <sup>2</sup>	
Select one from the following:		4-6
MA 121	Calculus for Business and Life Sciences I	
& MA 122	and Calculus for Business and Life Sciences II	
MA 125	Calculus I	
MA 345	Applied Statistics I	3
Select one from the following:		8-10
PH 241	General Physics I	
& PH 242	and General Physics II <sup>2</sup>	
PH 251	Technical Physics I	
& PH 252	and Technical Physics II	

### Minor

Chemistry Minor (<https://catalog.una.edu/undergraduate/colleges-20-23/programs/arts-sciences/chemistry-industrial-hygiene/chemistry-minor>)

### General Electives

If required, to bring total to 120

Total Hours 112-120

- <sup>1</sup> For the Bachelor of Arts degree the student must satisfy the following requirement: 6 hours of a required foreign language at the introductory level.
- <sup>2</sup> These courses are required in the major and minor if not completed as part of the General Education component.