

BIOLOGY: MARINE BIOLOGY OPTION

Bachelor of Science (BS)

This is a guide based on the 2024-2025 Undergraduate Bulletin and is subject to change. The time it takes to earn a degree will vary based on several factors such as dual enrollment, remediation, and summer enrollment. Students will meet with an academic advisor each semester and use Degree Works to monitor their individual progress.

CURRICULUM CHECKLIST

"Critical Courses" are **italicized and bolded**. Data shows that students who have completed this course in the first two years and have earned the noted grade are most likely to complete this program of study.

46-48 Hour Major – No Minor Required

- ___ BI163 Evolution & Ecology (4)
- ___ BI173 Cell & Organismal Biology (4)
- ___ **BI283 Genetics (4)**
- ___ BI389 Career Development in Biology (2)
- ___ **CH184 General Chemistry I Lab (1)**
- ___ **CH185 General Chemistry I (3)**

Choose one math course:

- ___ **MA116 Precalculus A (3)**
- ___ **MA137 Precalculus (5)**
- ___ **MA139 Applied Calculus (3)**
- ___ **MA140 Analytical Geometry & Calculus I (5)**

Choose one additional math course:

- ___ MA155 Statistical Reasoning (3)
- ___ MAxxx Additional math (for which MA116 is a prerequisite) (3)

Experiential Learning Requirement: 2 hours

- ___ BI551-553 Biology Field Studies (2)
- ___ BI563-565 Experience in Museum Curation (1-3)
- ___ BI570 Development of Instructional Materials (1)
- ___ BI582 Internship in Biology (1-3)

Marine Biology Option Required Courses:

- ___ BI332 General Ecology (4)
- ___ BI348 Marine Biology (3)
- ___ BI434 Marine Ecology & Conservation (3)
- ___ ZO310 Zoology (4)
- ___ ZO430 Invertebrate Zoology (4)

Biology Electives*: 5 hours

- ___ BI/BO/BT/ZOxxx 300 level or above (5)

* A minimum of 3 hours must be taken from the Gulf Coast Research Laboratory or comparable institution or the equivalents listed below:

Non-Biology Requirements:

- ___ CH186 General Chemistry II (3)
- ___ CH187 General Chemistry II Lab (1)
- ___ CH341 Foundations of Organic Chemistry (4)
- ___ CH342 Organic Chemistry Lab I (1)
- ___ GO320 Oceanography (3)
- ___ PH106 Physical Concepts (3)
- ___ PH107 Physical Concepts Lab (1)

General Education Requirements – some requirements may be fulfilled by coursework in major program

- Social and Behavioral Sciences – 6 hours
- Constitution Requirement – 3 hours
- Written Communication – 6 hours
- Oral Communication – 3 hours
- Natural Sciences – 7 hours (from two disciplines, one to include a lab)
- Mathematics – 3 hours
- Humanities & Fine Arts – 9 hours (from at least two disciplines)
- Additional requirements – 5 hours (to include UI100 for native students)
- Civics examination

SAMPLE FOUR-YEAR PLAN

	Fall Semester		Spring Semester	
	Course #	Hrs	Course #	Hrs
FIRST YEAR	UI100	1	BI173	4
	BI163	4	CH186	3
	CH184/CH185	4	CH187	1
	MA116/137/139/140	3-5	EN100	3
	General Education	3	Additional Math	3
	Total	15-17	Total	14
Milestone: achieve a target cumulative GPA of 3.0				
SECOND YEAR	BI283	4	BI348	3
	CH341	4	ZO310	4
	CH342	1	PH106/107	4
	General Education	3	General Education	3
	General Education	3	General Education	3
	Total	15	Total	17
Milestone: achieve a target cumulative GPA of 3.0				
THIRD YEAR	BI332	4	BI434	3
	BI389	2	BI/BO/ZO elective	3
	GO320	3	General Education	3
	General Education	3	Elective	3
	Elective	3	Elective	3
	Total	15	Total	15
Milestone: achieve a target cumulative GPA of 3.0				
SUMMER TERM			Biology Elective from marine station	3-6
FOURTH YEAR	Experiential Learning Crs	2	ZO430	4
	General Education	3	Elective	3
	General Education	3	Elective	3
	Elective	3	Elective	2
	Elective	4		
	Total	15	Total	12
Milestone: achieve a target cumulative GPA of 3.0				

A "Milestone" signifies a significant stage for a student in the completion of a degree.

Degree requirements for all students: a minimum of 120 credit hours, completion of the General Education program, and completion of 39 senior division hours (300-599). Refer to the Undergraduate Bulletin or Degree Works for additional graduation requirements for your program.

A minimum 2.0 GPA in the major and overall are required to graduate with a BS degree.

Revised
2/2/2024

2024-2025 degree map

