



## Bachelor of Science (BS) Marine Biology

2025-2026

Check access and create a Marine Biology Portfolio by contacting <a href="mailto:marinebiology@utrgv.edu">marinebiology@utrgv.edu</a>								
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL	3	Choose 1	Communication	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details Options: ENGL 1301
		4	BIOL 1406	General Biology I	C	090		Satisfies Major-Specific and Core specific Requirement.
		3	MATH 1314	College Algebra	C		College Ready TSI status in Mathematics or MATH 0314/0332/0342.	Or MATH 1414, MATH 2412, MATH 2413
		1	MARS 2101	Principles of Marine Sciences				Brownsville Campus, (Freshmen/Sophomore status). Satisfies major graduation requirement. May not be substituted.
		3	POLS 2305	U.S. Federal Government & Politics		070		See General Education Core for course options.
			UNIV	1301 Learning Framework 1101 Academic and Career Success 1001/1300 Living and Working by Design				As required, based on a number of factors such as credit hours earned, TSI status, high school rank, major declaration, etc.
14 Semester Total Hours								
SECOND YEAR	SPRING	3	Choose 1	Communication	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details Options: ENGL 1302 or ENGL 1305
		4	BIOL 1407	General Biology II	C		BIOL 1406 or BIOL 1487.	Satisfies Major-Specific Requirement.
		3	CHEM 1311	General Chemistry I		030	MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413, or MATH 2487 with a grade of "C" or higher."	
		1	CHEM 1111	General Chemistry I Lab		090	Credit/registration in CHEM 1311.	CHEM 1311 & CHEM 1111 may be taken concurrently.
		3	POLS 2306	Texas Government & Politics		070		See General Education Core for course options.
		3	Choose 1	Creative Arts		050		See General Education Core for course options.
17 Semester Total Hours								
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
In MARS 2310, please save your artifact in the Marine Biology Portfolio. For questions contact <a href="mailto:marinebiology@utrgv.edu">marinebiology@utrgv.edu</a>								
SECOND YEAR	FALL	3	CHEM 1312	General Chemistry II		030	CHEM 1311.	
		1	CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312.	
		3	MARS 2310	Marine Processes and Ecosystem Dynamics	C		BIOL 1407 (or BIOL 1488).	Satisfies Major-Specific Requirement.
		3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
		3	Choose 1	Language, Philosophy & Culture		040		Recommended: PHIL 1366. See General Education Core for course options.
		3	Choose 1	Social and Behavioral Sciences		080		See General Education Core for course options.
16 Semester Total Hours								
SECOND YEAR	SPRING	3	CHEM 2323	Organic Chemistry I			CHEM 1312.	
		1	CHEM 2123	Organic Chemistry I Lab			CHEM 1112.	
		3	BIOL 3313	Genetics			Grade of "C" or better in the following: BIOL 1406 and BIOL 1407.	Satisfies Major-Specific Requirement.
		3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
		3	Choose 1	Integrative/Experiential Learning Option		090		See General Education Core for course options.
13 Semester Total Hours								

The 2024-2026 list of core courses can be found in the 2024-2026 Undergraduate Catalog: [www.utrgv.edu/catalog](http://www.utrgv.edu/catalog) > See 'Bachelors Degree Program Regulations'

### Symbols Key

**Minimum Grade:** A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.  
**Bolded Course #:** Program Admission Requirement

**General Education Core (GEC) Sections:** 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 - Creative Arts; 060 - American History; 070 - Government/Political Science; 080 - Social and Behavioral Sciences; 090 - Applied Communication and Literacies; 090 - Humanities; 090 - Leadership; 090 - Science Labs; 090 - Interdisciplinary; 090 - Technologies; 090 - Language Diversity & Writing.

H								Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes						
In MARS 3320, please save your artifact in the Marine Biology Portfolio. For questions contact marinebiology@utrgv.edu																			
THIRD YEAR	FALL	3	BIOL 3301	Ecology and Evolution			Grade of 'C' or better in BIOL 1406 and BIOL 1407.	Satisfies Major-Specific Requirement.											
		2	BIOL 3201	Techniques in Ecology and Evolutionary Biology Laboratory			Grade of "C" or better in the following: BIOL 1406 and BIOL 1407.												
		3	MATH 1343	Introduction to Biostatistics	C	020	College Ready TSI status in Mathematics.	Satisfies Major-Specific Requirement.											
		3	CHEM 2325	Organic Chemistry II			CHEM 2323.												
		1	CHEM 2125	Organic Chemistry II Lab			CHEM 2325.												
		4	34XX-44XX	Marine Biology Prescribed Electives				See Degree Plan and Course Distribution for course options. Students must complete 21 hours if a 4-hour MATH course is											
	16 Semester Total Hours																		
	SPRING	3	MARS 4333	Marine Conservation, Policy, and Management			Junior or senior standing.	Satisfies Major-Specific Requirement. Campus: South Padre Island											
		4	PHYS 1401	General Physics I			MATH 1414, MATH 1314, MATH 2412, or MATH 2413	Satisfies Major-Specific Requirement.											
		3	33XX-43XX	Marine Biology Prescribed Electives				See Degree Plan and Course Distribution for course options. Students must complete 21 hours if a 4-hour MATH course is completed in the Support Courses requirement or 22 if a 3-hour MATH course is completed.											
		3	MARS 3320	Marine Biogeochemistry			[BIOL 2310 or MARS 2310], CHEM 1311 and CHEM 1111.	Satisfies Major-Specific Requirement.											
		1	41XX	Marine Biology Prescribed Electives				If a 3-hour MATH course is completed in Support Courses											
	14 Semester Total Hours																		
	H														Course #	Course Title	Min. Grade	GEC	Prerequisite
In MARS 3430 and MARS 4301, please save your artifacts in the Marine Biology Portfolio. For questions contact marinebiology@utrgv.edu																			
FOURTH YEAR	FALL	4	MARS 3430	Field Methods and Analysis in Marine Biology			BIOL 3301 or MARS 2310 or ENVR 3409.	Satisfies Major-Specific Requirement. Campus: South Padre Island											
		3	33XX-43XX	Marine Biology Prescribed Electives				See Degree Plan and Course Distribution for course options. Students must complete 21 hours if a 4-hour MATH course is completed in the Support Courses requirement or 22 if a 3-hour MATH course is completed.											
		3	MARS 4301	Marine Science Communication			MARS 2101, Senior standing, and 24 hours of Biology/Marine Sciences.	Satisfies Major-Specific Requirement. <b>Must complete and submit Marine Biology e-portfolio.</b>											
		4	BIOL 34XX-44XX	Biology Prescribed Electives				See Degree Plan for course options. Choose 4 hours of Biology or MARS courses.											
	14 Semester Total Hours																		
	SPRING	4	34XX-44XX	Marine Biology Prescribed Electives				See Degree Plan and Course Distribution for course options. Students must complete 21 hours if a 4-hour MATH course is completed in the Support Courses requirement or 22 if a 3-hour MATH course is completed.											
		3	33XX-43XX	Marine Biology Prescribed Electives				See Degree Plan and Course Distribution for course options. Students must complete 21 hours if a 4-hour MATH course is completed in the Support Courses requirement or 22 if a 3-hour MATH course is completed.											
		4	GEOL 3405	Oceanography			Minimum grade of C in one of the following: GEOL 1403, GEOL 1404, MARS 2310 or BIOL 2310.	Brownsville -Fall Semester Edinburg- Spring Semester and dependent upon class availability.											
		4	34XX-44XX	Marine Biology Prescribed Electives				See Degree Plan and Course Distribution for course options. Students must complete 21 hours if a 4-hour MATH course is completed in the Support Courses requirement or 22 if a 3-hour MATH course is completed.											
		1	Choose 1	Free Elective				Recommended: MARS 4199											
	16 Semester Total Hours																		
	Must complete and submit Marine Biology Portfolio before applying for Graduation. For questions contact marinebiology@utrgv.edu																		

120 TOTAL HOURS

(42) Advanced minimum credit hours

Revised: Tuesday, February 18th, 2025