

		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3	Choose 1	Communication (Core)	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 (Core)			090		Satisfies Major-Specific Requirement.
			3	MATH 1314	College Algebra				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.
			3	POLS 2305	U.S. Federal Government & Politics (Core)				070	See General Education Core for course options.
					UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design				
14 Semester Total Hours										
FIRST YEAR	SPRING		3	Choose 1	Communication (Core)	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			BIOL 1406	Satisfies Major-Specific Requirement.	
			3	CHEM 1311	General Chemistry I (Core)			030	MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413 with a grade of "C" or higher."	
			1	CHEM 1111	General Chemistry I Lab (Core)			090	Credit/registration in CHEM 1301.	
			3	POLS 2306	Texas Government & Politics (Core)				070	See General Education Core for course options.
			3	Choose 1	Creative Arts (Core)				050	See General Education Core for course options.
17 Semester Total Hours										
		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
SECOND YEAR	FALL		3	CHEM 1312	General Chemistry II (Core)			030	CHEM 1311.	
			1	CHEM 1112	General Chemistry II Lab (Core)			090	Credit/registration in CHEM 1312.	
			3	MARS 2310	Marine Processes and Ecosystem Dynamics				BIOL 1407	Satisfies Major-Specific Requirement.
			3	Choose 1	American History (Core)				060	See General Education Core for more details. Options: HIST 1301 or HIST 2327
			3	Choose 1	Language, Philosophy & Culture (Core)				040	
			3	Choose 1	Social and Behavioral Sciences (Core)				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.	
				4	BIOL 3413	Genetics				BIOL 1406, BIOL 1407, CHEM 1311, CHEM 1111, CHEM 1312, and CHEM 1112.
			3	Choose 1	American History (Core)				060	See General Education Core for more details. Options: HIST 1302 or HIST 2328
	3	Choose 1	Integrative/Experiential Learning Option (Core)				090	See General Education Core for course options.		
14 Semester Total Hours										

CORE: The 2022-2023 list of core courses can be found in the 2022-2023 Undergraduate Catalog: www.utrgv.edu/smartcatalog > Bachelors Degree Regulations and Graduation Policies > 'Core Curriculum'

Symbols Key

Critical (!): sequence sensitive course.
Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.
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.

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL	4		BIOL 3409	Ecology			Grade of 'C' or better in the following: BIOL 1406 and BIOL 1407	Satisfies Major-Specific Requirement.	
		3		MATH 1343	Introduction to Biostatistics (Core)	C	020	College Ready TSI status in Mathematics.	See General Education Core for course options.	
		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 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.	
		15 Semester Total Hours								
THIRD YEAR	SPRING	3		BIOL 3301	Biological Evolution			Grade of 'C' or better in the following: BIOL 1406 and BIOL 1407; or consent of instructor.	Satisfies Major-Specific Requirement.	
		4		PHYS 1401	General Physics I			MATH 1414, MATH 1314, MATH 2412, or MATH 2413		
		3		33XX-43XX	Marine Biology Prescribed Electives				See Degree Plan 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.	
		1		41XX	Marine Biology Prescribed Electives				If a 3-hour MATH course is completed in Support Courses	
		15 Semester Total Hours								
FOURTH YEAR	FALL	4		MARS 3430	Field Methods and Analysis in Marine Biology			BIOL 3409	Satisfies Major-Specific Requirement.	
		3		33XX-43XX	Marine Biology Prescribed Electives				See Degree Plan 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	Satisfies Major-Specific Requirement. Must complete Marine Biology e-portfolio. Satisfies major graduation requirement.	
		4		BIOL 34XX-44XX	Biology Prescribed Electives				See Degree Plan for course options. Choose 4 hours of Biology	
				14 Semester Total Hours						
	FOURTH YEAR	SPRING	4		34XX-44XX	Marine Biology Prescribed Electives				See Degree Plan 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 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			MARS 2310/BIOL 2310, CHEM 1311 and CHEM 1111	Satisfies Major-Specific Requirement.
			4		34XX-44XX	Marine Biology Prescribed Electives				See Degree Plan 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				
		15 Semester Total Hours								
		120 TOTAL HOURS								

120 TOTAL HOURS

(42) Advanced minimum credit hours

Approved: Thursday, December 8, 2022

Revised: Wednesday, October 26, 2022

Major Progression Requirements

Specific progression requirements required for this program.

- Students interested in pursuing a B.S. in Marine Biology are advised that several required courses are offered only at UTRGV's Brownsville, Port Isabel, or South Padre Island campuses.

Major Graduation Requirements

Specific graduation requirements required for this program beyond university bachelor's degree requirements.

- In addition to the graduation requirements listed in the UTRGV 2022-2023 Undergraduate Catalog, submission of a completed Marine Biology Student Portfolio must be received before submission of an Application for Graduation form.