

		!	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 <b>Options: ENGL 1301</b>
			4	BIOL 1406	General Biology I (Core)	C	090		Satisfies Major-Specific Requirement.
			3	MATH 1314	College Algebra	C		College Ready TSI status in Mathematics or MATH 0314/0332/0342.	<b>OR MATH 1414, MATH 2412, MATH 2413</b>
			1	MARS 2101	Principles of Marine Sciences	D			Brownsville Campus, (Freshmen/Sophomore status). Satisfies major graduation requirement. <b>May not be substituted.</b>
			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			
<b>14 Semester Total Hours</b>									
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 <b>Options: ENGL 1302 or ENGL 1305</b>
			4	BIOL 1407	General Biology II	C		BIOL 1406	Satisfies Major-Specific Requirement.
			3	CHEM 1311	General Chemistry I (Core)	D	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 (Core)		090	Credit/registration in CHEM 1301.	<b>CHEM 1311 &amp; CHEM 1111 may be taken concurrently.</b>
			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.
<b>17 Semester Total Hours</b>									
		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
SECOND YEAR	FALL		3	CHEM 1312	General Chemistry II (Core)	D	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	C		BIOL 1407	Satisfies Major-Specific Requirement.
			3	Choose 1	American History (Core)		060		See General Education Core for more details. <b>Options: HIST 1301 or HIST 2327</b>
			3	PHIL 1366	Philosophy and History of Science and Technology (core)		040		<b>Satisfies Major-Specific Requirement.</b>
			3	Choose 1	Social and Behavioral Sciences (Core)		080		See General Education Core for course options.
<b>16 Semester Total Hours</b>									
SECOND YEAR	SPRING		3	CHEM 2323	Organic Chemistry I	D		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.	Satisfies Major-Specific Requirement.
			3	Choose 1	American History (Core)		060		See General Education Core for more details. <b>Options: HIST 1302 or HIST 2328</b>
			3	Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.
<b>14 Semester Total Hours</b>									

CORE: The 2023-2024 list of core courses can be found in the 2023-2024 Undergraduate Catalog; [www.utrgv.edu/smartcatalog](http://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	D		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.	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 <b>and Course Distribution</b> 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.	
			<b>15 Semester Total Hours</b>							
	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	Satisfies Major-Specific Requirement.	
		3		33XX-43XX	Marine Biology Prescribed Electives				See Degree Plan <b>and Course Distribution</b> 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		
		<b>15 Semester Total Hours</b>								
FOURTH YEAR	FALL	4		MARS 3430	Field Methods and Analysis in Marine Biology			BIOL 3409 <b>may not be taken concurrently</b>	Satisfies Major-Specific Requirement. <b>Campus: South Padre Island</b>	
		3		33XX-43XX	Marine Biology Prescribed Electives				See Degree Plan <b>and Course Distribution</b> 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 <b>may not be taken concurrently</b> , Senior standing and 24 hours of <b>MARS and/or BIOL</b> .	Satisfies Major-Specific Requirement. Must complete Marine Biology e-portfolio. <b>Satisfies major-graduation-requirement.</b>	
		4		BIOL 34XX-44XX	Biology Prescribed Electives				See Degree Plan for course options. <b>Choose 4 hours of Biology or MARS courses.</b>	
				<b>14 Semester Total Hours</b>						
	SPRING	4		34XX-44XX	Marine Biology Prescribed Electives				See Degree Plan <b>and Course Distribution</b> 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 <b>and Course Distribution</b> 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 <b>may not be taken concurrently.</b>	Satisfies Major-Specific Requirement.	
		4		34XX-44XX	Marine Biology Prescribed Electives				See Degree Plan <b>and Course Distribution</b> 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					
		<b>15 Semester Total Hours</b>								
		<b>120 TOTAL HOURS</b>								

120 TOTAL HOURS

(42) Advanced minimum credit hours

Approved: Monday, March 27, 2023

Revised: Monday, March 27, 2023

**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.