

Bachelor of Science (BS)
Marine Biology

The 2026-2027 list of core courses can be found in the 2026-2027 Undergraduate Catalog: www.utrgv.edu/catalog > See 'Bachelors Degree Program Regulations'

Marine Biology (MARS) coursework may require off campus travel. Check access and create a Marine Biology Portfolio by contacting marinebiology@utrgv.edu										
Year	Semester	Credit Hours	Campus	Course Number	Course Title	Minimum Grade	Core	Prerequisite	Additional Notes	
1	Fall	3	B/E/O	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	
1	Fall	4	B/E	BIOL 1406	General Biology I	C	090		Satisfies Major-Specific and Core specific Requirement.	
1	Fall	3	B/E/O	MATH 1314	College Algebra	C		College Ready TSI status in Mathematics or MATH 0314/0332/0342.	Or MATH 1414, MATH 2412, MATH 2413	
1	Fall	1	B	MARS 2101	Principles of Marine Sciences				Satisfies major graduation requirement. May not be substituted.	
1	Fall	3	B/E/O	POLS 2305	U.S. Federal Government & Politics		070		See General Education Core for course options.	
1	Fall		B/E/O	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.	
1	Fall	14	Semester Total Hours							
1	Spring	3	B/E/O	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	
1	Spring	4	B/E	BIOL 1407	General Biology II	C		BIOL 1406 or BIOL 1487.	Satisfies Major-Specific Requirement.	
1	Spring	3	B/E/O	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	Spring	1	B/E	CHEM 1111	General Chemistry I Lab		090	Credit/registration in CHEM 1311.	CHEM 1311 & CHEM 1111 may be taken concurrently.	
1	Spring	3	B/E/O	POLS 2306	Texas Government & Politics		070		See General Education Core for course options.	
1	Spring	3	B/E/O	Choose 1	Creative Arts		050		See General Education Core for course options.	
1	Spring	17	Semester Total Hours							
Year	Semester	Credit Hours	Campus	Course Number	Course Title	Minimum Grade	Core	Prerequisite	Additional Notes	
In MARS 2310, please save your artifact in the Marine Biology Portfolio. For questions contact marinebiology@utrgv.edu										
2	Fall	3	B/E	CHEM 1312	General Chemistry II		030	CHEM 1311.		
2	Fall	1	B/E	CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312.		
2	Fall	3	B	MARS 2310	Marine Processes and Ecosystem Dynamics	C		BIOL 1407 (or BIOL 1488).	Satisfies Major-Specific Requirement.	
2	Fall	3	B/E/O	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327	
2	Fall	3	B/E/O	Choose 1	Language, Philosophy & Culture		040		Recommended: PHIL 1366. See General Education Core for course options.	
2	Fall	3	B/E/O	Choose 1	Social and Behavioral Sciences		080		See General Education Core for course options.	
2	Fall	16	Semester Total Hours							
2	Spring	3	B/E	CHEM 2323	Organic Chemistry I			CHEM 1312.		
2	Spring	1	B/E	CHEM 2123	Organic Chemistry I Lab			CHEM 1112.		
		1	B/E/O	Choose 1	Free Elective				Recommended: KINE 1242 (prerequisite for MARS 4370 and 4170 specific to Upper Level Diving) or MARS 4199 in Summer	
2	Spring	3	B/E	BIOL 3313	Genetics			Grade of "C" or better in the following: BIOL 1406 and BIOL 1407.	Satisfies Major-Specific Requirement.	
2	Spring	3	B/E/O	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328	
2	Spring	3	B/E/O	Choose 1	Integrative/Experiential Learning Option		090		See General Education Core for course options.	
2	Spring	14	Semester Total Hours							

Year	Semester	Credit Hours	Campus	Course Number	Course Title	Minimum Grade	Core	Prerequisite	Additional Notes	
In MARS 3320, MARS 3430, and MARS 4333, please save your artifact in the Marine Biology Portfolio. For questions contact marinebiology@utrgv.edu										
3	Fall	3	B/E	BIOL 3301	Ecology and Evolution				Grade of "C" or better in BIOL 1406 and BIOL 1407.	
3	Fall	2	B/E	BIOL 3201	Techniques in Ecology and Evolutionary Biology Laboratory				Grade of "C" or better in the following: BIOL 1406 and BIOL 1407.	
3	Fall	3	B/E	CHEM 2325	Organic Chemistry II				CHEM 2323.	
3	Fall	1	B/E	CHEM 2125	Organic Chemistry II Lab				CHEM 2325.	
3	Fall	4	B/T	MARS 3430	Field Methods and Analysis in Marine Biology				BIOL 3301 or MARS 2310 or ENVR 3409.	
3	Fall	4	B/T	34XX-44XX	Marine Biology Prescribed Electives				Satisfies Major-Specific Requirement. Campus: South Padre Island	
3	Fall	17	Semester Total Hours							See Degree Plan and Course Distribution for course options. Students must complete 21 hours if a 4-hour MATH course is completed in the
3	Spring	3	B	MARS 4333	Marine Conservation, Policy, and Management				Junior or senior standing.	
3	Spring	4	B/E/O	PHYS 1401	General Physics I				MATH 1414, MATH 1314, MATH 2412, or MATH 2413	
3	Spring	3	B/T	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	Spring	3	B/T	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	Spring	3	B	MARS 3320	Marine Biogeochemistry				[BIOL 2310 or MARS 2310], CHEM 1311 and CHEM 1111.	
3	Spring	16	Semester Total Hours							Satisfies Major-Specific Requirement.
In MARS 4301, please save your artifacts in the Marine Biology Portfolio. For questions contact marinebiology@utrgv.edu										
4	Fall	4	B/T	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.	
4	Fall	3	B/T	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	Fall	4	B	GEOL 3405	Oceanography				Minimum grade of C in one of the following: GEOL 1403, GEOL 1404, MARS 2310 or BIOL 2310.	
4	Fall	3	B	MARS 4301	Marine Science Communication				MARS 2101, Senior standing, and 24 hours of Biology/Marine Sciences.	
4	Fall	18	Semester Total Hours							Satisfies Major-Specific Requirement. Must complete and submit Marine Biology e-portfolio.
4	Spring	4	B/T	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.	
4	Spring	3	B/E/O	MATH 1343	Introduction to Biostatistics	C	020	College Ready TSI status in Mathematics.	Satisfies Major-Specific Requirement.	
4	Spring	1	B/T	41XX	Marine Biology Prescribed Electives				If a 3-hour MATH course is completed in Support Courses. Campus: Off Of Campus.	
4	Spring	4	B/E/O	BIOL 34XX-44XX	Biology Prescribed Electives				See Degree Plan for course options. Choose 4 hours of Biology or MARS courses.	
4	Spring	4	B/T	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.	
4	Spring	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