



Bachelor of Science (BS)
Environmental Science
Earth and Ocean Sciences

2025-2026

		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	ENVR 1401	Introduction to Environmental Science I		030/090		Satisfies General Education Core-Life & Physical Sciences and Int. Exper. Learning
		3	Choose 1	Social and Behavioral Sciences		080		See General Education Core for course options
		4	GEOL 1403	Physical Geology	C			Satisfies Major-Specific Requirement. Science Foundation.
			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							
	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	ENVR 1402	Introduction to Environmental Science II		030/090		Satisfies General Education Core-Life & Physical Sciences and Int. Exper. Learning
		3	MATH 1314 or MATH 1414 or MATH 2412	College Algebra or Precalculus	C	020	MATH 1314 or MATH 1414: College Ready TSI status in Mathematics. MATH 2412: MATH 1314 or MATH 1414 with a grade of 'C' or better; or passing the College Algebra Exemption Test administered by the Department of Mathematics.	See General Education Core for more details.
		3	Choose 1	Creative Arts		050		See General Education Core for course options.
	13 Semester Total Hours							
		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
SECOND YEAR	FALL	3	ENVR 2301	Earth System Science				Satisfies Major-Environmental Science Core
		4	BIOL 1406	General Biology I		090		One hour Integrative & Experiential Learning. Satisfies Major-Specific Requirement. Science Foundation.
		3	Choose 1	Language, Philosophy & Culture		040		See General Education Core for course options.
		3	POLS 2305	U.S. Federal Government & Politics		070		See General Education Core for more details
		4	MATH 2413	Calculus I			MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	Satisfies Major-Science Foundation
	17 Semester Total Hours							
	SPRING	3	ENVR 2302	Environment and Society				Satisfies Major-Environmental Science Core
		3	CHEM 1311	General Chemistry I			MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413 with a grade of "C" or higher."	Satisfies Major-Specific Requirement. Science Foundation.
		1	CHEM 1111	General Chemistry I Lab			Credit/registration in CHEM 1311.	Satisfies Major-Specific Requirement. Science Foundation.
		3	MATH 1342	Elementary Statistical Methods	C		College Ready TSI status in Mathematics.	Satisfies Major-Specific Requirement. Science Foundation.
		3	POLS 2306	Texas Government & Politics		070		See General Education Core for more details
		4	GEOL 1404	Historical Geology				Satisfies Major-Specific Elective. Prescribed Electives
	17 Semester Total Hours							

The 2024-2026 list of core courses can be found in the 2024-2026 Undergraduate Catalog: 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
THIRD YEAR	FALL	3	ENVR 3303	Research Methodology and Data Analysis in Environmental Sciences			Environmental Science Major or Minor with junior status and MATH 1342 or MATH 1325 with a grade of 'C' or better	Satisfies Major-Specific Requirement.
		4	PHYS 1401 or PHYS 2425	General Physics I or Physics for Scientists and Engineers I			PHYS 1401: MATH 1414, MATH 1314, MATH 2412, or MATH 2413. PHYS 2425: MATH 2413.	Satisfies Major-Specific Requirement.
		4	Choose 1	Earth and Ocean Science Concentration				See Degree Plan for options.
		3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
		3	Choose 1	Earth and Ocean Science Concentration				See Degree Plan for options.
	17 Semester Total Hours							
	SPRING	4	GEOL 4411	Introduction to Geographic Information Systems				Satisfies Major-Environmental Science Core
		4	GEOL 3405	Oceanography			Minimum grade of "C" in one of the following: GEOL 1403, GEOL 1404, MARS 2310 or BIOL 2310.	Satisfies Major-Specific Requirement.
		3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
		4	GEOL 3402	Hydrologic Systems			GEOL 1403 or consent of instructor	Satisfies Major-Specific Requirement.
15 Semester Total Hours								
		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	FALL	3	33XX-43XX	Free Advanced Elective				
		4	Choose 1	Prescribed Electives				Satisfies Major-Specific Elective. BIOL 1407, CHEM 1312/1112, CHEM 2323/2123, MATH 2414, PHYS 1402 or PHYS 2426
		4	Choose 1	Earth and Ocean Science Concentration				See Degree Plan for options.
		3	Choose 1	Earth and Ocean Science Concentration				See Degree Plan for options.
	14 Semester Total Hours							
	SPRING	3	Choose 1	Integrative and Experiential Learning		090		See General Education Core for course options.
		3	Choose 1	Earth and Ocean Science Concentration				See Degree Plan for options.
		4	33XX-43XX	Free Advanced Elective				
		3	33XX-43XX	Free Advanced Elective				
		13 Semester Total Hours						

120 TOTAL HOURS

(42) Advanced minimum credit hours

Revised: Tuesday, February 18th, 2025