

	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	ENVR 1401	Introduction to Environmental Science I	C	030/090		Satisfies General Education Core-Life & Physical Sciences and Int. Exper. Learning	
		4	GEOL 1403	Physical Geology	C			Satisfies Major-Specific Requirement. Science Foundation.	
		3	Choose 1	Social and Behavioral Sciences (Core)		080		See General Education Core for course options.	
			UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design				As required, based on credit hours earned, TSI status, High school rank, major declaration	
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	ENVR 1402	Introduction to Environmental Science II		030/090	ENVR 1401 with a grade of 'C' or better.	Satisfies General Education Core-Life & Physical Sciences and Int. Exper. Learning	
		3	MATH 1314 or MATH 2412	College Alegbra OR Pre-Calculus	C	020	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.	Select per math placement results.	
		3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.	
13 Semester Total Hours									
SECOND YEAR	FALL	3	ENVR 2301	Earth System Science				Satisfies Major-Specific Requirement.	
		4	BIOL 1406	General Biology I		090		One hour Integrative & Experiential Learning. Satisfies Major-Specific Requirement. Science Foundation.	
		3	Choose 1	Language, Philosophy & Culture (Core)		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	C		MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	Satisfies Major-Specific Requirement. Science Foundation.	
		17 Semester Total Hours							
		SECOND YEAR	SPRING	3	ENVR 2302	Environment and Society			
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									

CORE: The 2023-2024 list of core courses can be found in the 2023-2024 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.

THIRD YEAR		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
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				MATH 1414, MATH 1314, MATH 2412, MATH 2413	Satisfies Major-Specific Requirement.
	4	Choose 1	Earth and Ocean Science Concentration					Satisfies Major-Specific Elective. EEMS 3360, GEOL 3401, GEOL 3411, GEOL 3421, GEOL 4170, GEOL 4302, GEOL 4309, GEOL 4370, GEOL 4412, GEOL 4403, GEOL 4404, or GEOL 4408
	3	Choose 1	American History (Core)			060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
	3	Choose 1	Earth and Ocean Science Concentration					Satisfies Major-Specific Elective. EEMS 3360, GEOL 3401, GEOL 3411, GEOL 3421, GEOL 4170, GEOL 4302, GEOL 4309, GEOL 4370, GEOL 4412, GEOL 4403, GEOL 4404, or GEOL 4408
		17 Semester Total Hours						
SPRING	4	GEOL 4411	Introduction to Geographic Information Systems					Satisfies Major-Specific Elective.
	4	GEOL 3405	Oceanography				GEOL 1403 and either GEOL 1404 or BIOL 1406 or BIOL 1407. All with a grade of 'C' or better.	Satisfies Major-Specific Requirement.
	3	Choose 1	American History (Core)			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						
FOURTH YEAR		H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
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					Satisfies Major-Specific Elective.
	3	Choose 1	Earth and Ocean Science Concentration					Satisfies Major-Specific Elective. EEMS 3360, GEOL 3401, GEOL 3411, GEOL 3421, GEOL 4170, GEOL 4302, GEOL 4309, GEOL 4370, GEOL 4412, GEOL 4403, GEOL 4404, or GEOL 4408
		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					Satisfies Major-Specific Elective. EEMS 3360, GEOL 3401, GEOL 3411, GEOL 3421, GEOL 4170, GEOL 4302, GEOL 4309, GEOL 4370, GEOL 4412, GEOL 4403, GEOL 4404, or GEOL 4408
	4	34XX-44XX	Free Advanced Elective					
	3	33XX-43XX	Free Advanced Elective					
		13 Semester Total Hours						

120 TOTAL HOURS

(42) Advanced minimum credit hours

Approved: Tuesday, March 28, 2023

Revised: Tuesday, March 28, 2023