

	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 ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or better in ENGL 1301/1387.	See General Education Core for more details Options: ENGL 1301 or ENGL 1387 (H)
	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			Only if required, based on ACT/SAT and high school rank.	
14 Semester Total Hours								
SPRING	3	Choose 1	Communication (Core)	C	010	For all 010 courses: Satisfactory scores on ENGL portion of ACT test or TSI reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or better in ENGL 1301/1387.	See General Education Core for more details Options: ENGL 1302 or ENGL 1388 (H) 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 Algebra 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	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2305 or POLS 2385 (H)	
	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								
SPRING	3	ENVR 2302	Environment and Society				Satisfies Major-Specific Requirement.	
	3	CHEM 1311	General Chemistry I			MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 1388, MATH 2412, MATH 2413, or MATH 2487 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	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)	
	4	Choose 1	Supporting Science				Satisfies Major-Specific Elective. GEOL 1404 is recommended Supporting Sciences course. PREREQ for GEOL 3405 and GEOL 4403	
17 Semester Total Hours								

CORE: The 2019-2020 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core
www.utrgv.edu/core

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.

		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			MATH 1414, MATH 1314, MATH 2412, MATH 2413	Satisfies Major-Specific Requirement.	
		4	Choose 1	ES Major Earth and Ocean Science Conc. Elective				Satisfies Major-Specific Elective. GEOL 3411 is recommended ES Major Earth and Ocean Science Conc. Elective	
		3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 or HIST 1387 or HIST/MASC 2327	
		3	Choose 1	ES Major Earth and Ocean Science Conc. Elective				Satisfies Major-Specific Elective. EEMS 3360 is recommended ES Major Earth and Ocean Science Conc. Elective	
		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 1388 or HIST/MASC 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	Supporting Science				Satisfies Major-Specific Elective	
		4	Choose 1	ES Major Earth and Ocean Science Conc. Elective				Satisfies Major-Specific Elective. GEOL 4403 is recommended ES Major Earth and Ocean Science Conc. Elective. Prerequisite for GEOL 4403 is GEOL 1403 and 1404 with a grade of 'C' or better.	
		3	Choose 1	ES Major Earth and Ocean Science Conc. Elective				Satisfies Major-Specific Elective. GEOL 4309 is recommended ES Major Earth and Ocean Science Conc. Elective	
			14 Semester Total Hours						
SPRING		3	Choose 1	Integrative and Experiential Learning		090		See General Education Core for course options.	
		3	Choose 1	ES Major Earth and Ocean Science Conc. Elective				Satisfies Major-Specific Elective. GEOL 4302 is recommended ES Major Earth and Ocean Science Conc. Elective	
		4	34XX-44XX	Free Advanced Elective					
		3	33XX-43XX	Free Advanced Elective					
		13 Semester Total Hours							

120 TOTAL HOURS

Approved: Friday, March 22, 2019

(42) TOTAL ADVANCED HOURS

Revised: Monday, May 13, 2019