

	I	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		030/090		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	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
	13 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 1342	Elementary Statistical Methods	C		College Ready TSI status in Mathematics.	Satisfies Major-Science Foundation
		3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options
	13 Semester Total Hours							
SECOND YEAR	FALL	3	ENVR 2301	Earth System Science				Satisfies Major-Environmental Science Core
		4	BIOL 1406	General Biology I				One hour Integrative & Experiential Learning. Supporting Sciences.
		3	Choose 1	Integrative/Experiential Learning Option (Core)		090		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-Science Foundation
	17 Semester Total Hours							
	SPRING	3	ENVR 2302	Environment and Society				Satisfies Major-Environmental Science Core
		4	Choose 1	Supporting Science				Satisfies Major-Supporting Sciences. BIOL 1407 is recommended.
		3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)
	13 Semester Total Hours							

CORE: The 2018-2019 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core
www.utrgv.edu/core

Symbols Key

Critical ('I'): 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.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

THIRD YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			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-Environmental Science Core
			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-Science Foundation
			1	CHEM 1111	General Chemistry I Lab			Credit/registration in CHEM 1311.	Satisfies Major-Science Foundation
			4	GEOL 1403	Physical Geology				Satisfies Major-Science Foundation
			3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 or HIST 1387 or HIST/MASC 2327
	14 Semester Total Hours								
	SPRING		4	GEOL 4411	Introduction to Geographic Information Systems				Satisfies Major-Environmental Science Core
			4	PHYS 1401 or 2425	General Physics I or Physics for Scientists and Engineers I			MATH 1414 or MATH 1314, MATH 2412 or MATH 2413 for PHYS 1401; MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488) for PHYS 2425	Satisfies Major-Science Foundation
			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	BIOL 3409	Ecology				Satisfies Major-Environmental Biology Conc. Required Course	
15 Semester Total Hours									
FOURTH YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			3	Choose 1	ES Major Environmental Biology Conc. Elective				Satisfies Major-Specific Elective. Recommended ES Major Environmental Biology Conc. Elective
			4	BIOL 3420	Environmental Biology				Satisfies Major-Environmental Biology Conc. Required Course
			3	Choose 1	ES Major Environmental Biology Conc. Elective				Satisfies Major-Specific Elective. Recommended ES Major Environmental Biology Conc. Elective
			3	Choose 1	ES Major Environmental Biology Conc. Elective				Satisfies Major-Specific Elective. Recommended ES Major Environmental Biology Conc. Elective
			4	Choose 1	Supporting Science				Satisfies Major-Supporting Sciences. CHEM 1312/112 is recommended.
	17 Semester Total Hours								
	SPRING		4	34XX-44XX	Free Advanced Elective				
			4	Choose 1	ES Major Environmental Biology Conc. Elective				Satisfies Major-Specific Elective. Recommended ES Major Environmental Biology Conc. Elective
			4	Choose 1	ES Major Environmental Biology Conc. Elective				Satisfies Major-Specific Elective. Recommended ES Major Environmental Biology Conc. Elective
		3	33XX-43XX	Free Advanced Elective					
		3	33XX-43XX	Free Advanced Elective					
18 Semester Total Hours									

Graduation Requirements:

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120 TOTAL HOURS
(42) TOTAL ADVANCED HOURS

Approved: Monday, March 19, 2018
Revised: Wednesday, June 20, 2018

	I	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							

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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.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

	I	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							
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							

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120 TOTAL HOURS
(42) TOTAL ADVANCED HOURS

Approved: Monday, March 19, 2018
Revised: Friday, March 30, 2018

	I	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				Satisfies Major-Science Foundation
		3	Choose 1	Social and Behavioral Sciences (Core)		080		See General Education Core for course options. ANTH, ECON, PSYC, or SOCI course recommended for PREREQ ANTH 4314
			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	Choose 1	Integrative and Experiential Learning		090		See General Education Core for course options.
		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	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.
	16 Semester Total Hours							
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-Science Foundation
		3	MATH 1342	Elementary Statistical Methods	C		College Ready TSI status in Mathematics.	Satisfies Major-Science Foundation
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2305 or POLS 2385 (H)
		3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 or HIST 1388 or HIST/MASC 2328
		16 Semester Total Hours						
	SPRING	3	ENVR 2302	Environment and Society				Satisfies Major-Environmental Science Core
		3	CHEM 1311	General Chemistry I		030	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-Science Foundation
		1	CHEM 1111	General Chemistry I Lab			Credit/registration in CHEM 1311.	Satisfies Major-Science Foundation
		3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)
		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							

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Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

THIRD YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			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-Environmental Science Core
			3	Choose 1	ES Major Environment and Society Conc. Elective				Satisfies Major-Specific Elective. SOCI 3312 is recommended ES Major Environment and Society Conc. Elective
			3	33XX-43XX	Free Advanced Elective				Supporting Sciences. MATH 3335 is recommended Elective
			3	33XX-43XX	Free Advanced Elective				HIST 3300 is recommended. PREREQ for HIST 3302
			4	PHYS 1401 or 2425	General Physics I or Physics for Scientists and Engineers I			MATH 1414, MATH 1314, MATH 2412 or MATH 2413 for PHYS 1401; MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488) for PHYS 2425	Satisfies Major-Science Foundation
		16 Semester Total Hours							
SPRING		4	GEOL 4411	Introduction to Geographic Information Systems				Satisfies Major-Environmental Science Core	
		3	Choose 1	ES Major Environment and Society Conc. Elective				Satisfies Major-Specific Elective. ENVR 3302 is recommended ES Major Environment and Society Conc. Elective	
		4	Choose 1	Supporting Science				Satisfies Major-Supporting Sciences. BIOL 1407 is recommended.	
		3	Choose 1	ES Major Environment and Society Conc. Elective				Satisfies Major-Specific Elective. ANTH 4314 is recommended ES Major Environment and Society Conc. Elective	
	14 Semester Total Hours								
FOURTH YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			4	Choose 1	ES Major Environment and Society Conc. Elective				Satisfies Major-Specific Elective. HIST 3302 is recommended ES Major Environment and Society Conc. Elective
			4	Choose 1	Supporting Science				Satisfies Major-Supporting Sciences.
			3	POLS 4356	U.S. Environmental Policy			POLS 2305 (or POLS 2387) and POLS 2306 (or POLS 2388).	Alternative: ENVR 4301
			3	Choose 1	ES Major Environment and Society Conc. Elective				Satisfies Major-Specific Elective. POLS 4357 is recommended ES Major Environment and Society Conc. Elective
	14 Semester Total Hours								
	SPRING		3	Choose 1	ES Major Environment and Society Conc. Elective				Satisfies Major-Specific Elective. HIST 3335 is recommended ES Major Environment and Society Conc. Elective
			3	Choose 1	ES Major Environment and Society Conc. Elective				Satisfies Major-Specific Elective. PHIL 3352 is recommended ES Major Environment and Society Conc. Elective
			3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
		4	34XX-44XX	Free Advanced Elective					
13 Semester Total Hours									

Graduation Requirements:

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120 TOTAL HOURS
(42) TOTAL ADVANCED HOURS

Approved: Monday, March 19, 2018
Revised: Friday, March 30, 2018

	I	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
		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. Supporting Sciences
		3	Choose 1	Social and Behavioral Sciences (Core)		080		See General Education Core for course options.
		4	BIOL 1406	General Biology I		090		One hour Integrative & Experiential Learning. Supporting Sciences.
			UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
	17 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	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-Science Foundation
		1	CHEM 1111	General Chemistry I Lab			Credit/registration in CHEM 1301.	Satisfies Major-Science Foundation
		3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options. (H) designates Honors sections of courses.
		3	MATH 1342	Elementary Statistical Methods	C		College Ready TSI status in Mathematics.	Satisfies Major-Science Foundation
	17 Semester Total Hours							
SECOND YEAR	FALL	3	ENVR 2301	Earth System Science				Satisfies Major-Specific Requirement.
		4	GEOL 1403	Physical Geology				Satisfies Major-Science Foundation
		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-Science Foundation
		14 Semester Total Hours						
	SPRING	3	ENVR 2302	Environment and Society				Satisfies Major-Specific Requirement.
		3	CHEM 1312	General Chemistry II			CHEM 1311.	Satisfies Major-Specific Elective. Recommended Supporting Sciences course
		1	CHEM 1112	General Chemistry II Lab			Credit/registration in CHEM 1312	Satisfies Major-Specific Elective. Recommended Supporting Sciences course
		4	PHYS 1401 or 2425	General Physics I or Physics for Scientists and Engineers I			MATH 1414, MATH 1314, MATH 2412 or MATH 2413 for PHYS 1401; MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488) for PHYS 2425	Satisfies Major-Science Foundation
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)
		3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
		17 Semester Total Hours						

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Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

THIRD YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			3	Choose 1	Integrative and Experiential Learning (core)		090	Environmental Science Major or Minor with junior status and MATH 1342 or MATH 1325 with a grade of 'C' or better	See General Education Core for course options
			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	ENVR 3303	Research Methodology and Data Analysis in Environmental Sciences				Satisfies Major-Specific Requirement.
			3	CHEM 2323	Organic Chemistry I				Satisfies Major-Specific Elective. Recommended Supporting Sciences course. PREREQ for CHEM 3401
			1	CHEM 2123	Organic Chemistry I Lab				Satisfies Major-Specific Elective. Recommended Supporting Sciences course. PREREQ for CHEM 3401
	13 Semester Total Hours								
SPRING		3	Choose 1	ES Major Environmental Chemistry Conc. Elective			060	Satisfies Major-Specific Elective. EEMS 3360 is recommended ES Major Environmental Chemistry Conc. Elective	
		3	Choose 1	American History (Core)				See General Education Core for more details. Options: HIST 1302 or HIST 1388 or HIST/MASC 2328	
		4	34XX-44XX	Free Advanced Elective					
		4	Choose 1	ES Major Environmental Chemistry Conc. Elective			Satisfies Major-Specific Elective. GEOL 3411 is recommended ES Major Environmental Chemistry Conc. Elective		
		4	CHEM 3401	Environmental Chemistry			CHEM 2323 and CHEM 2123.	Satisfies Major-Specific Elective	
	18 Semester Total Hours								
FOURTH YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			4	Choose 1	ES Major Environmental Chemistry Conc. Elective				Satisfies Major-Specific Elective. CHEM 4304/CHEM 4104 is recommended ES Major Environmental Chemistry Conc. Elective. Prerequisite is CHEM 2301/CHEM 2101.
			4	Choose 1	ES Major Environmental Chemistry Conc. Elective				Satisfies Major-Specific Elective. CHEM 3301/CHEM 3101 is recommended ES Major Environmental Chemistry Conc. Elective
			4	GEOL 4411	Introduction to Geographic Information Systems				Satisfies Major-Specific Requirement.
	12 Semester Total Hours								
	SPRING		4	Choose 1	ES Major Environmental Chemistry Conc. Elective				Satisfies Major-Specific Elective. CHEM 3303/CHEM 3103 is recommended ES Major Environmental Chemistry Conc. Elective
			2	Choose 1	ES Major Environmental Chemistry Conc. Elective				Satisfies Major-Specific Elective. CHEM 4101 is recommended ES Major Environmental Chemistry Conc. Elective
		3	33XX-43XX	Free Advanced Elective					
		3	33XX-43XX	Free Advanced Elective					
12 Semester Total Hours									

Graduation Requirements:

In addition to the graduation requirements listed in the UTRGV 2018-2019 Undergraduate Catalog, demonstration of proficiency in a language other than English is required at the undergraduate level equivalent to a minimum of six credit hours. Proficiency can be demonstrated by a college credit exam, a placement test approved through the UTRGV department of Writing and Language Studies, and/or to six credit hours of college-level language coursework.

120 TOTAL HOURS
(42) TOTAL ADVANCED HOURS

Approved: Monday, March 19, 2018
Revised: Friday, March 30, 2018

	I	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		Satisfies General Education Core-Life & Physical Sciences and Int. Exper. Learning
		4	GEOL 1403	Physical Geology				Satisfies Major-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	C	030	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-Environmental Science Core
		4	BIOL 1406	General Biology I		090		One hour Integrative & Experiential Learning. Supporting Sciences.
		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-Science Foundation
		17 Semester Total Hours						
	SPRING	3	ENVR 2302	Environment and Society				Satisfies Major-Environmental Science Core
		4	Choose 1	Supporting Science				Satisfies Major-Supporting Sciences. BIOL 1407 is recommended.
		3	MATH 1342	Elementary Statistical Methods	C		College Ready TSI status in Mathematics.	Satisfies Major-Science Foundation
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)
		3	ENVR 3301	Natural Resources Conservation			ENVR 1402 with a grade of 'C' or better.	Satisfies Major-Interdisciplinary Environmental Science Conc. Required Course
		16 Semester Total Hours						

CORE: The 2018-2019 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.

Language Proficiency Requirement: Student is required to demonstrate language proficiency in a language other than English at the undergraduate level equivalent to a minimum of six credits.

	I	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-Environmental Science Core
		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-Science Foundation
		1	CHEM 1111	General Chemistry I Lab			Credit/registration in CHEM 1301.	Satisfies Major-Science Foundation
		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	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.
		3	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective				See Degree Plan for course options.
	16 Semester Total Hours							
	SPRING	4	GEOL 4411	Introduction to Geographic Information Systems				Satisfies Major-Environmental Science Core
		4	34XX-44XX	Free Advanced Elective				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
		3	ENVR 3302	Environmental Ethics			ENVR 1401 with a grade of 'C' or better.	Satisfies Major-Interdisciplinary Environmental Science Conc. Required Course
	14 Semester Total Hours							
FOURTH YEAR	FALL	3	33XX-43XX	Free Advanced Elective				Satisfies Major-Specific Requirement.
		4	PHYS 1401 or 2425	General Physics I or Physics for Scientists and Engineers I			MATH 1414, MATH 1314, MATH 2412 or MATH 2413 for PHYS 1401; MATH 2413 (or MATH 2487) and concurrent enrollment in MATH 2414 (or MATH 2488) for PHYS 2425	Satisfies Major-Science Foundation
		4	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective				See Degree Plan for course options.
		4	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective				See Degree Plan for course options. (at least 12 must be from College of Science)
		15 Semester Total Hours						
	Spring	3	33XX-43XX	Free Advanced Elective				
		4	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective				See Degree Plan for course options. (at least 12 must be from College of Science)
		4	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective				See Degree Plan for course options. (at least 12 must be from College of Science)
		4	Choose 1	Supporting Science				See Degree Plan for course options.
	15 Semester Total Hours							

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