

Bachelor of Science (BS) 2019-2020 **Environmental Science**

Concentration: Interdisciplinary Environmental Science

4 GEOL 1403 Physical Geology A GEOL 1403 Phys							
Sample S	- н	Course #	Course Title		GEC	Prerequisite	Additional Notes
## Communication Project General State Project Gen	3	Choose 1	Communication (Core)	С	010	reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or better in	
3 Choose 1 Social and Behavioral Sciences (Core) UNIV 1301 Learning Framework 14 Semester Total Notice 5 Communication (Core) Com	4	ENVR 1401	Introduction to Environmental Science I	С	030		Satisfies General Education Core-Life & Physical Sciences and Int. Exper. Learning
UNIV 1301 Learning Framework 1. Semester Total Hours 2. Communication (Core) 3. Choose 1 Communication (Core) 4. ENVR 1402 Introduction to Environmental Science II C 000 ENVR 1401 with a grade of 'C' or better. Interpretation of the Experiment Science II C 000 ENVR 1401 with a grade of 'C' or better. Interpretation Core Introduction to Environmental Science Core Introduction to Environmental Science Core Introduction to Environmental Science II C 000 ENVR 1401 with a grade of 'C' or better. Interpretation Core Introduction to Environmental Science II C 000 ENVR 1401 with a grade of 'C' or better. Interpretation Core Interpretation Core Unit & Physical Sciences and Interpretation Core Interpretation Core Unit & Physical Sciences Interpretation Core Inte	4 FALL	GEOL 1403	Physical Geology				Satisfies Major-Science Foundation
14 Semester Total Hours	3	Choose 1	Social and Behavioral Sciences (Core)		080		See General Education Core for course options.
See General Education Core for more details The service Total Hours The service Hours Hours Hours Hours Hours The service Hours	X X	UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
See General Education Core for more details The service Total Hours The service Hours Hours Hours Hours Hours The service Hours	14	4 Semester Total Hours					
MATH 1314 or MATH 2412 College Alegbra OR Pre-Calculus C c 20 EAVER 140 with a grade of 'C' or better, or passing the College Algebra OR Pre-Calculus Select per math placement results. 3 Choose 1 Creative Arts (Core) 0 55 EAVER 140 with a grade of 'C' or better, or passing the College Algebra Select per math placement results. 5 See General Education Core for course options. 5 See General Education Core for course options. 5 ENVR 2301 Earth System Science	X		Communication (Core)	С	010	reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or better in	
Exemption Test administered by the Department of Mathematics. See General Education Core for course options. 13 Semester Total Hours 14 Cornel Content Item System Science 15 Earth System Science 16 Earth System Science 17 Earth System Science 18 ENVR 2301 Earth System Science 19 Concel I Earth System Science 19 Concel I Earth System Science 20 Concel I Earth System Science 21 Concel I Earth System Science 22 Concel I Earth System Science 23 Choose 1 Language, Philosophy & Culture (Core) 24 END 241 Earth System Science (Core) 25 Concel I Government/Political Science (Core) 26 Concel I Earth System Science (Core) 27 Semester Total Hours 28 Exemption Test administered by the Department of Mathematics. 29 Exemption Test administered by the Department of Mathematics. 29 Exemption Test administered by the Department of Mathematics. 29 Exemption Test administered by the Department of Mathematics. 20 Exemption Test administered by the Department of Mathematics. 20 Exemption Test System Science Foundation 20 Exemption Test System Science Foundation 20 Environment and Society 20 Environment and Society 21 Ementary Statistical Methods 22 College Ready TSI status in Mathematics. 23 ENVR 3301 Natural Resources Conservation 24 ENVR 3301 Natural Resources Conservation 25 Exemption Test administered by the Department of Mathematics. 26 Exemption Test System Science Foundation 27 Semester Total Hours 28 Exemption Test System Science Foundation 29 Satisfies Major-Science Foundation 29 Satisfies Major-Science Foundation 20 Satisfies Major-Interdisciplinary Environmental Science Conc. Required Course 28 Exemption Test System Science Foundation 29 Satisfies Major-Interdisciplinary Environmental Science Conc. Required Course 29 Satisfies Major-Interdisciplinary Environmental Science Conc. Required Course	4	ENVR 1402	Introduction to Environmental Science II	С	030	ENVR 1401 with a grade of 'C' or better.	Satisfies General Education Core-Life & Physical Sciences and Int. Exper. Learning
13 Semester Total Hours 1	SPRING 3	MATH 1314 or MATH 2412	College Alegbra OR Pre-Calculus	С	020		Select per math placement results.
H Course Course Tile Course Tile Course Tile Course Tile Course Tile Course Course Course Tile Course Co	3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
BIOL 1406 General Biology I 090 Choose 1 Language, Philosophy & Culture (Core) 040 See General Education Core for course options. Choose 1 Calculus I Calculus Exemption Test administered by the Department of Mathematics. 3 ENVR 2302 Environment and Society Satisfies Major-Science Foundation Core Satisfies Major-Science Foundation Satisfies Major-Science Foundation Core for more details Options: POLS 2366 (H) See General Education Core for more details Options: POLS 2366 (H) Satisfies Major-Interdisciplinary Environmental Science Conc. Required Course	13	3 Semester Total Hours					
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 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. 5 Satisfies Major-Science Foundation 5 Satisfies Major-Science Foundation 5 Satisfies Major-Supporting Science Satisfies Major-Supporting Sciences. 8 Satisfies Major-Supporting Sciences. 8 Satisfies Major-Science Foundation 5 See General Education Core for more details Options: POLS 2306 or	• н	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
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 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. 5 Environment and Society Satisfies Major-Environmental Science Core Satisfies Major-Environmental Science Core Satisfies Major-Science Foundation 6 Approximately Satisfies Major-Science Foundation See General Education Core for more details Options: POLS 2306 or POLS 230	3	ENVR 2301	Earth System Science				Satisfies Major-Environmental Science Core
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A calculus 1 Comment and Society 3 ENVR 2302 Environment and Society 4 Choose 1 Supporting Science 3 MATH 1342 Elementary Statistical Methods C College Ready TSI status in Mathematics. 3 Choose 1 Government/Political Science (Core) 3 ENVR 3301 Natural Resources Conservation ENVR 1402 with a grade of 'C' or better. Satisfies Major-Environmental Science Poundation Satisfies Major-Environmental Science Core Satisfies Major-Supporting Sciences. BIOL 1407 is recommended. Satisfies Major-Science Foundation See General Education Core for more details Options: POLS 2306 or POLS 2386 (H) Satisfies Major-Interdisciplinary Environmental Science Conc. Required Course			Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
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S ENVR 3301 Natural Resources Conservation ENVR 1402 with a grade of C or better. Required Course	3 4 17 3 3 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4 4	MATH 2413 7 Semester Total Hours ENVR 2302 Choose 1	Government/Political Science (Core) Calculus I Environment and Society Supporting Science		070	administered by the Department of Mathematics.	See General Education Core for more details Options: POLS 2305 or POLS 2385 (H) Satisfies Major-Science Foundation Satisfies Major-Environmental Science Core Satisfies Major-Supporting Sciences. BIOL 1407 is recommended.
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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.

Satisfactory.

General Education Core (GEC) Sections: 010 - Communication; 020 - Mathematics; 030 - Life and Physical Sciences; 040 - Language, Philosophy & Culture; 050 -Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - 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.

	н	Course #	Course Title Mi	in. 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 1301.	Satisfies Major-Science Foundation
FALL	3	Choose 1	American History (Core)	060		See General Education Core for more details. Options: HIST 1301 or HIST 1387 or HIST/MASC 2327
D YEAR	3	Choose 1	Integrative/Experiential Learning Option (Core)	090		See General Education Core for course options.
THIR	3	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective			See Degree Plan for course options.
	16 S	Semester Total Hours				
	4	GEOL 4411	Introducation to Geographic Information Systems			Satisfies Major-Environmental Science Core
NG	4	34XX-44XX	Free Advanced Elective			Satisfies Major-Specific Requirement.
SPRI	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 S	Semester Total Hours				
		Course #	Course Title Mi	in. GEC	Prerequisite	Additional Notes
	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
FALL	4	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective			See Degree Plan for course options.
H YEAR	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)
URI	15 S	Semester Total Hours	<u> </u>			
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	3	33XX-43XX	Free Advanced Elective			
	3	33XX-43XX Choose 1	Free Advanced Elective ES Major Interdisciplinary Environmental Science Conc. Elective			See Degree Plan for course options. (at least 12 must be from College of Science)
Spring			ES Major Interdisciplinary Environmental			
Spring	4	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective ES Major Interdisciplinary Environmental			College of Science) See Degree Plan for course options. (at least 12 must be from
Spring	4 4	Choose 1	ES Major Interdisciplinary Environmental Science Conc. Elective ES Major Interdisciplinary Environmental Science Conc. Elective			College of Science) See Degree Plan for course options. (at least 12 must be from College of Science)

120 TOTAL HOURS Approved: Friday, March 22, 2019

(42) TOTAL ADVANCED HOURS Revised: Monday, May 13, 2019