

	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 <b>or</b> ENGL 1387 (H)
		4	BIOL 1406	General Biology I	C			Satisfies Major-Specific Requirement.
		3	MATH 1343	Introduction to Biostatistics	C	030	College Ready TSI status in Mathematics.	
		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 2305 <b>or</b> POLS 2385 (H)
			UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
	16 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 <b>or</b> ENGL 1388 (H) <b>or</b> ENGL 1305
		4	BIOL 1407	General Biology II	C		BIOL 1406 or BIOL 1487.	Satisfies Major-Specific Requirement.
		3	CHEM 1311	General Chemistry I	C	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."	
		1	CHEM 1111	General Chemistry I Lab	C	090	Credit/registration in CHEM 1301.	
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 <b>or</b> POLS 2386 (H)
	14 Semester Total Hours							
SECOND YEAR	FALL	3	CHEM 1312	General Chemistry II			CHEM 1311.	
		1	CHEM 1112	General Chemistry II Lab			Credit/registration in CHEM 1312.	
		3	MARS 2310	Marine Processes and Ecosystem Dynamics			BIOL 1407 (or BIOL 1488)	Satisfies Major-Specific Requirement. Alternative BIOL 2310.
		3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 <b>or</b> HIST 1387 <b>or</b> HIST/MASC 2327
		3	PHIL 1366	Philosophy and History of Science and Technology		040		
		3	Choose 1	Social and Behavioral Sciences (Core)		080		See General Education Core for course options.
	16 Semester Total Hours							
	SPRING	3	CHEM 2323	Organic Chemistry I				
		1	CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.	
		4	BIOL 3413	Genetics			BIOL 1406 (or BIOL 1487) , BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1312, and CHEM 1112.	Satisfies Major-Specific Requirement.
		3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 <b>or</b> HIST 1388 <b>or</b> HIST/MASC 2328
		3	Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.
	14 Semester Total Hours							

**CORE:** The 2017-2019 list of core courses can be found at: [www.utrgv.edu](http://www.utrgv.edu) > Academics > Undergraduate > General Education Core  
[www.utrgv.edu/core](http://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 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

**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	4	BIOL 3409	Ecology			9 hours of Biology, including BIOL 1407 (or BIOL 1488).	Satisfies Major-Specific Requirement.
		4	PHYS 1401	General Physics I			MATH 1414 or MATH 1314.	
		3	CHEM 2325	Organic Chemistry II				
		1	CHEM 2125	Organic Chemistry II Lab			CHEM 2123	
		4	34XX-44XX	Major Advanced Elective				See Degree Plan for course options.
	16 Semester Total Hours							
	SPRING	3	BIOL 3301	Biological Evolution			BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instructor.	Satisfies Major-Specific Requirement.
		4	PHYS 1402	General Physics II			PHYS 1401.	
		3	MARS 3320	Marine Biogeochemistry			MARS 2310/BIOL 2310, CHEM 1311 and CHEM 1111	Satisfies Major-Specific Requirement. Alternative: BIOL 3320
		4	ENVR 3405	Oceanography			GEOL 1403 and either GEOL 1404 or BIOL 1406 (or BIOL 1487); all with a grade of 'C' or better.	
	14 Semester Total Hours							
FOURTH YEAR	FALL	4	BIOL 3412	Cell Biology			BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1488), CHEM 2323 and 2123, and CHEM 2325, 2125	Satisfies Major-Specific Requirement. Alternative BIOL 3415.
		4	MARS 3430	Field Methods and Analysis in Marine Biology			BIOL 2409	Satisfies Major-Specific Requirement. Alternative: BIOL 3430
		3	33XX-43XX	Major Advanced Elective				See Degree Plan for course options.
		3	33XX-43XX	Major Advanced Elective				See Degree Plan for course options.
		1	Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.
	15 Semester Total Hours							
	SPRING	4	MARS 4401	Marine Biology Seminar			Senior standing and 24 hours of Biology	Satisfies Major-Specific Requirement. Alternative: BIOL 4401.
		3	33XX-43XX	Major Advanced Elective				See Degree Plan for course options.
		4	34XX-44XX	Major Advanced Elective				See Degree Plan for course options.
		4	BIOL 34XX-44XX	Major Advanced Elective				See Degree Plan for course options.
	15 Semester Total Hours							

Graduation Requirements

120 TOTAL HOURS  
(51) TOTAL ADVANCED HOURS

Approved:  
Revised: Thursday, April 20, 2017