

		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		BIOL 1406	General Biology I	C			Alternatively BIOL 1487 Honors. 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	Social and Behavioral Sciences (Core)		080		See General Education Core for course options
		3		MATH 1342	Elementary Statistical Methods	C	020	College Ready TSI status in Mathematics.	Alternatively, MATH 1387 Honors OR MATH 1343 Intro. Biostatistics OR MATH 1388 Honors
				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		BIOL 1407	General Biology II	C		BIOL 1406 or BIOL 1487.	Alternatively BIOL 1488 Honors. Satisfies Major-Specific Requirement.
		3		CHEM 1312	General Chemistry II		030	CHEM 1311.	
		1		CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312.	
		3		Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options. Recommended: CSCI 1380 or QUMT 2398.
14 Semester Total Hours									
SECOND YEAR	FALL	3		CHEM 2323	Organic Chemistry I				
		1		CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.	
		3		BIOL 3301	Biological Evolution			BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instructor.	Satisfies Major-Specific Requirement.
		3		Choose 1	Language, Philosophy & Culture (Core)		040		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		X3XX-X3XX	Minor				
		16 Semester Total Hours							
SPRING		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		BIOL 33XX-43XX	Major Advanced Elective				Biology Group B Organismal
		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		X3XX-X3XX	Minor				
13 Semester Total Hours									

CORE: The 2018-2019 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 (!):** 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. Credits	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	BIOL 34XX-44XX	Major Advanced Elective				BIOL 3000/4000
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details. Options: POLS 2305 or POLS 2385 (H)
		3	X3XX-X3XX	Minor				
		3	X3XX-X3XX	Free Elective				
	<b>17 Semester Total Hours</b>							
	SPRING	3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details. Options: POLS 2306 or POLS 2386 (H)
		4	BIOL 34XX-44XX	Major Advanced Elective				Biology Group A Cellular/Molecular
		3	X3XX-X3XX	Minor				
		4	X4XX-X4XX	Free Elective		090		Recommended BIOL 2401; One hour lab meets Integrative & Experiential Learning
		3	X3XX-X3XX	Free Elective				
	<b>17 Semester Total Hours</b>							
FOURTH YEAR	FALL	3	BIOL 33XX-43XX	Major Advanced Elective				BIOL 3000/4000
		4	BIOL 34XX-44XX	Major Advanced Elective				Biology Group C Ecological/Environmental
		3	33XX-43XX	Minor (Advanced)				
		3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
		<b>13 Semester Total Hours</b>						
	SPRING	3	33XX-43XX	Minor (Advanced)				
		3	BIOL 33XX-43XX	Advanced Elective				
		3	X3XX-X3XX	Free Elective				
		4	BIOL 4400	Biological Communication (Capstone)			Biology Major of junior standing.	Satisfies Major-Specific Requirement.
		<b>13 Semester Total Hours</b>						

#### Admission Requirements

Admission requirements to this program: BIOL 1406 (or BIOL 1487 Honors), BIOL 1407 (or BIOL 1488 Honors), and CHEM 1311/CHEM 1111 with a 'C' or better grade in all of these courses and Departmental approval.

#### Graduation Requirements:

1. Minimum 44 credit hours in Biology and 2.50 Biology GPA; At least 32 upper division hours in Biology.
2. 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: Friday, March 30, 2018  
Revised: Thursday, July 5, 2018