

	I	H	A	Course #	Course Title	Max 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		SOCI 1301	Introduction to Sociology				Support Course: SOCI 1301, cannot be used for the General Education Core section 080.
		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.
	13 (0) 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 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 1311.	
		3		MATH 1314	College Algebra (Elective)			College Ready TSI status in Mathematics.	Elective: MATH 1314 - prerequisite for PHYS 1401
	14 (0) Semester Total Hours								
SECOND YEAR	FALL	3		CHEM 1312	General Chemistry II		030	CHEM 1311.	
		1		CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312	
		4		13XX - 44XX	Free Elective		090		Free Elective: BIOL 2401 - One hour lab Integrative and Experiential Learning, recommended for medical school.
		3		Choose 1	Language, Philosophy & Culture		040		Required: Choose one: PHIL 1300, PHIL 1301 or PHIL 1366
		3		PSYC 2301	General Psychology				Support Course
		3		Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 or HIST 1387 or HIST/MASC 2327
	17 (0) Semester Total Hours								
	SPRING	4	(4)	34XX-44XX	Biology Elective				Biology Group D Physiology
		3		CHEM 2323	Organic Chemistry I			Prerequisite: CHEM 1312	Satisfies Major-Specific Requirement.
		1		CHEM 2123	Organic Chemistry I Lab			Credit/Registration in CHEM 2323	Satisfies Major-Specific Requirement.
		3		Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options. Recommended: CSCI 1380 or QUMT 2398.
		3		Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
		3		Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 or HIST 1388 or HIST/MASC 2328
	17 (4) 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.

		I	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL		4	(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		CHEM 2325	Organic Chemistry II				Satisfies Major-Specific Requirement.
			1		CHEM 2125	Organic Chemistry II Lab			CHEM 2123	Satisfies Major-Specific Requirement.
			3		Choose 1	Government/Political Science (Core)		070		See General Education Core for more details. Options: POLS 2305 or POLS 2385 (H)
			3	(3)	BIOL 3301	Biological Evolution			BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instructor	
			14	(7)	Semester Total Hours					
	SPRING		4	(4)	34XX-44XX	Biology Elective				Biology Group A Cellular/Molecular
			4		PHYS 1401	General Physics I			MATH 1414, MATH 1314, MATH 2412 or MATH 2413	Satisfies Major-Specific Requirement.
			3	(3)	CHEM 3303	Biochemistry I			CHEM 2323.	Satisfies Major-Specific Requirement.
			3		Choose 1	Government/Political Science (Core)		070		See General Education Core for more details. Options: POLS 2306 or POLS 2386 (H)
			14	(7)	Semester Total Hours					Retake exam(s) if necessary
FOURTH YEAR	FALL		4	(4)	34XX-44XX	Biology Elective				Biology Group B Developmental/Morphology
			4	(4)	BIOL 3409	Ecology			9 hours of Biology, including BIOL 1407 (or BIOL 1488).	Satisfies Major-Specific Requirement.
			4	(4)	34XX-44XX	Free Advanced Elective				Recommend BIOL 2402
			4		PHYS 1402	General Physics II			PHYS 1401.	Satisfies Major-Specific Requirement.
			16	(12)	Semester Total Hours					
	SPRING		4	(4)	34XX-44XX	Biology Elective				
			3		Choose 1	Social and Behavioral Sciences (Core)		080		Select one except SOCI 1301 or PSYC 2301.
			4	(4)	34XX-44XX	Biology Elective				Biology Group C Organismal/Environmental
			4	(4)	BIOL 4400	Biological Communication (Capstone)			Biology Major of junior standing; 15 Advanced hours in Biology	Satisfies Major-Specific Requirement.
			15	(12)	Semester Total Hours					

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. A 2.5 minimum GPA in Major Requirements is required for graduation.
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