

		!	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 English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details. <b>Options: ENGL 1301</b>	
		4		BIOL 1406	General Biology I	C	090		Satisfies Major-Specific Requirement. (One hour lab - Integrative & Experiential Learning in the General Education Core)	
		3		SOCI 1301	Introduction to Sociology (Core)			080		See General Education Core for more details.
		3		MATH 1314/1414, MATH 2412 or MATH 2413	College Algebra, Precalculus or Calculus I (Core)	C		020	MATH 1314/1414 College Ready TSI status in Mathematics; MATH 2412: MATH 1314 or MATH 1414 with a grade of 'C' or better; or MATH 2413: MATH 2412 with a grade of 'C' or better	See General Education Core for more details.
				UNIV	1301 Learning Framework 1101 Academic and Career Success 1001 Living and Working by Design					As required, based on credit hours earned, TSI status, High school rank, major declaration
<b>13 Semester Total Hours</b>										
FIRST YEAR	SPRING	3		Choose 1	Communication (Core)	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details. <b>Options: ENGL 1302 or ENGL 1305</b>	
		4		BIOL 1407	General Biology II	C		BIOL 1406 .	Satisfies Major-Specific Requirement.	
		3		CHEM 1311	General Chemistry I (Core)	C		030	MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413 with a grade of "C" or higher.	
		1		CHEM 1111	General Chemistry I Lab (Core)	C		090	Credit/registration in CHEM 1311.	
		3		MATH 1342 or MATH 1343	Elementary Statistics or Introduction to Biostatistics				College Ready TSI status in Mathematics.	
<b>14 Semester Total Hours</b>										
		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
SECOND YEAR	FALL	3		CHEM 1312	General Chemistry II (Core)			030	CHEM 1311.	
		1		CHEM 1112	General Chemistry II Lab (Core)			090	Credit/registration in CHEM 1312.	
		4		13XX - 44XX	Biological Science Concentration					Free Elective: BIOL 2401 - One hour lab Integrative and Experiential Learning - <b>Physiology</b>
		3		Choose 1	Language, Philosophy & Culture (Core)			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. <b>Options: HIST 1301 or HIST 2327</b>
		<b>17 Semester Total Hours</b>								
SECOND YEAR	SPRING	3		BIOL 3301	Biological Evolution				Grade of 'C' or better in the following: BIOL 1406 and BIOL 1407, or consent of instructor.	
		3		CHEM 2323	Organic Chemistry I				CHEM 1312.	Satisfies Major-Specific Requirement.
		1		CHEM 2123	Organic Chemistry I Lab				CHEM 1112.	Satisfies Major-Specific Requirement.
		3		Choose 1	Integrative/Experiential Learning Option (Core)			090		See General Education Core for course options.
		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. <b>Options: HIST 1302 or HIST 2328</b>
<b>16 Semester Total Hours</b>										

**CORE: The 2022-2023 list of core courses can be found in the 2022-2023 Undergraduate Catalog: [www.utrgv.edu/smartcatalog](http://www.utrgv.edu/smartcatalog) > Bachelors Degree Regulations and Graduation Policies > 'Core Curriculum'**

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.

		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL	4		BIOL 3413	Genetics			BIOL 1406, BIOL 1407, CHEM 1311, CHEM 1111, CHEM 1312, and CHEM 1112.	Satisfies Major-Specific Requirement.
		3		CHEM 2325	Organic Chemistry II			CHEM 2323.	Satisfies Major-Specific Requirement.
		1		CHEM 2125	Organic Chemistry II Lab			Credit for or registration in CHEM 2325.	Satisfies Major-Specific Requirement.
		3		POLS 2305	U.S. Federal Government and Politics (Core)		070		See General Education Core for more details.
		4		PHYS 1401	General Physics I			MATH 1414, MATH 1314, MATH 2412 or MATH 2413.	Satisfies Major-Specific Requirement.
<b>15 Semester Total Hours</b>									
THIRD YEAR	SPRING	4		34XX-44XX	Biological Science Concentration				Biological Science Concentration: <b>Cellular/Molecular</b>
		4		PHYS 1402	General Physics II			PHYS 1401.	Satisfies Major-Specific Requirement.
		3		CHEM 3303 OR CHEM 3387	Biochemistry I or Biochemistry I Honors				
		3		POLS 2306	Texas Government and Politics (Core)		070		See General Education Core for more details.
<b>14 Semester Total Hours</b>									
		!	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	FALL	4		Choose 1	Biological Science Concentration				Biological Science Concentration: choose one <b>Organismal/Environmental; Cellular/Molecular; Physiology.</b>
		4		BIOL 3409	Ecology			Grade of 'C' or better in the following: BIOL 1406 and BIOL 1407.	Satisfies Major-Specific Requirement.
		3		33XX-33XX	Free Advanced Elective				
		3		33XX-43XX	Free Advanced Elective				
		<b>14 Semester Total Hours</b>							
FOURTH YEAR	SPRING	3		33XX-43XX	Free Advanced Elective				Satisfies Major-Specific Requirement.
		3		33XX-43XX	Free Advanced Elective				Science Foundation
		4		34XX-44XX	Biological Science Concentration				Biological Science Concentration: <b>Organismal/Environmental</b>
		3		33XX-43XX	Free Advanced Elective				
		4		BIOL 4400	Biological Communication (Capstone)			Senior standing and 15 advanced hours of Biology.	Satisfies Major-Specific Requirement.
<b>17 Semester Total Hours</b>									

**Major Graduation Requirements:**

1. Specific graduation requirements required for this program beyond university bachelor's degree requirements.

A 2.5 minimum GPA in the major is required for graduation.

**120 TOTAL HOURS**

**(42) Advanced minimum credit hours**

Approved: Tuesday, December 6, 2022

Revised: Tuesday, November 15, 2022