



Bachelor of Science (BS) Biology

Focus	

BIOL 1406 General Biology I C O O MATH 1314, MATH 1314, MATH 1342, MATH 1343, MATH 1388, MATH 2412, MATH 1319 General Chemistry I C O O O Credit/registration in CHEM 1301. CHEM 1111 General Chemistry I Lab C O O Credit/registration in CHEM 1301. CHEM 1111 General Chemistry I Lab C O O Credit/registration in CHEM 1301. CHOOSE I Social and Behavioral Sciences (Core) O O O Credit/registration in CHEM 1301. MATH 1342 or MATH 1343 Elementary Statistical Methods or Introduction to Biostatistics C O O O O O O O O O O O O O O O O O O			Focus in Minor	8.41			
3 Chose 1 Communication (Core) C 010 relating framework 4 BIOL 1406 General Biology I C 0 00 Cheeding from the communication (Core) C 00 Cheeding from the communication (Core) C 00 Cheeding framework 5 Chose 1 Communication (Core) C 00 Cheeding framework 5 Chose 1 Communication (Core) C 00 Cheeding framework 6 BIOL 1407 Ceneral Biology II C 0 C 00 Cheeding framework 7 Semester York Hours 6 BIOL 1407 Ceneral Biology II C 0 D 0 Cheeding framework 7 Semester York Hours 8 Chose 1 Communication (Core) C 0 D 0 Cheeding framework 9 C 0 D 0 Cheeding framework 9 C 0 D 0 Cheeding framework 1 Semester York Hours 1 Chose 1 Communication (Core) C 0 D 0 Cheeding framework 1 Communication (Core) C 0 D 0 Cheeding framework 1 Communication (Core) C 0 D 0 Cheeding framework 1 Communication (Core) C 0 D 0 Cheeding framework 1 Communication (Core) C 0 D 0 Cheeding framework 1 Communication (Core) C 0 D 0 Cheeding framework 2 C 0 D 0 Cheeding framework 3 Chose 1 Communication (Core) C 0 D 0 Cheeding framework 4 BIOL 1407 Ceneral Biology II C 0 D 0 Cheeding framework 1 CHEM 1312 Ceneral Chemistry II D 0 Communication (Core) C 0 D 0 Cheeding framework 1 Chemistry II Chemistry II D 0 Communication (Core) C 0 D 0 Cheeding framework 1 Chemistry II D 0 Communication (Core) C 0 D 0 Cheeding framework 1 Chemistry II D 0 Communication (Core) C 0 D 0 Cheeding framework 1 Chemistry II D 0 Communication (Core) C 0 D 0 Cheeding framework 1 Chemistry II D 0 Chemistry II	! Н	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
Requirement. Re	3	Choose 1	Communication (Core)	С	010	reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or	See General Education Core for more details. Options: ENGL 1301 or ENGL 1387 (H)
MATH 2413, or MATH 2437, or MATH 2437 with a grade of "C" or higher." 1 CHEM 1111 General Chemistry I Lab C 090 Creditregistration in CHEM 1301. 2 MATH 1342 or MATH 1343 Elementary Statistical Methods or U 020 Alternatively MATH 1348 Honors OR MATH 1388 Honors OR	4	BIOL 1406	General Biology I	С			Alternatively BIOL 1487 Honors. Satisfies Major-Specific Requirement.
3 Choose 1 Social and Behavioral Sciences (Core) 080 3 MATH 1342 or MATH 1345 [Elementary Statistical Methods or Infroduction to Bootalistics or Infroduction (Core) on Infroduction (Core) of Communication (Core) of Coredification of Coredification in CHEM 1312. 1 CHEM 1312 Organic Chemistry I Lab of Coredification in CHEM 1312. 2 Choose 1 Infroduction of Coredification (Core) of Coredification	3	CHEM 1311	General Chemistry I	С	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."	
Section Sect	1 FALL	CHEM 1111	General Chemistry I Lab	С	090	Credit/registration in CHEM 1301.	
Introduction to Biostatistics C	3	Choose 1	Social and Behavioral Sciences (Core)		080		See General Education Core for course options
17 Samester Total Hours 3 Choose 1 Communication (Core) 4 BIOL 1407 General Biology II 5 General Biology II 6 General Chemistry II 7 Communication (Core) 8 BIOL 1407 General Biology II 8 BIOL 1407 General Biology II 8 BIOL 1407 General Chemistry II 9 Communication (Core) 8 BIOL 1407 General Biology II 9 Communication (Core) 8 BIOL 1407 General Biology II 9 Communication (Core) 8 BIOL 1407 General Chemistry II 9 Communication (Core) 8 BIOL 1407 General Chemistry II 9 Communication (Core) 8 BIOL 1407 General Chemistry II 9 Communication (Core) 9 Communication (Core) 9 Communication (Core) 9 BIOL 1407 General Chemistry II 9 BIOL 1407 General Chemistry II 9 Communication (Core) 9 Communication (C	3 N	MATH 1342 or MATH 1343		С	020		Alternatively: MATH 1387 Honors OR MATH 1388 Honors
Choose 1 Communication (Core) C prof all 010 courses: Selsificatory scores on ENCL portion of ACT test or TSI C profit of ACT test or TSI C prof all 010 courses: Selsificatory scores on ENCL portion of ACT test or TSI BIOL 1407 General Biology II C BIOL 1406 or BIOL 1487. Alternatively BIOL 1488 Honors. Satisfies Major-Specific Requirement. Alternatively BIOL 1488 Honors. Satisfies Major-Specific Requirement. C BIOL 1406 or BIOL 1487. Alternatively BIOL 1488 Honors. Satisfies Major-Specific Requirement. Integrative Experiment of Cores Tide Additional Nation Cores Tide Organic Chemistry I Lab Credit/registration in CHEM 2323. CHEM 2323 CHEM 2323 Organic Chemistry I Lab Credit/registration in CHEM 2323. BIOL 3301 Biological Evolution BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instruction. See General Education Core for course options. See General Education Core for course options. See General Education Core for course options. See General Education Core for more details. Options: HIST 1301 or HIST 1387 (H) or HIST MASC 2327 BIOL 3413 Genetics American History (Core) American History (Core) BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1311, CHEM 1111. C HEM 1312, and CHEM 1112. BIOL 3413 American History (Core) BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1311, CHEM 1311,	SS.	UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
3 Choose 1 Communication (Core) C 101 reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or ENGL 1302	17 Se	emester Total Hours					
See General Education Core for course options. CHEM 1312 Chem 1312 General Chemistry II CHEM 1311.	3	Choose 1	Communication (Core)	С	010	reading/writing exams or ENGL 0301. For ENGL 1302/1388, a grade of "C" or	See General Education Core for more details. Options: ENGL 1302 or ENGL 1388 (H) or ENGL 1305
The Chem 1112 General Chemistry II Lab	4	BIOL 1407	General Biology II	С		BIOL 1406 or BIOL 1487.	Alternatively BIOL 1488 Honors. Satisfies Major-Specific Requirement.
3 Choose 1 Integrative/Experiential Learning Option (Core) 14 Semester Total Hours 15 CHEM 2323 Organic Chemistry I 1 CHEM 2123 Organic Chemistry I Lab 2 Credit/registration in CHEM 2323. 3 BIOL 3301 Biological Evolution 3 Choose 1 Language, Philosophy & Culture (Core) 4 Choose 1 American History (Core) 5 See General Education Core for course options. 5 See General Education Core for course options. 6 See General Education Core for course options. 7 See General Education Core for course options. 8 See General Education Core for course options. 8 See General Education Core for course options. 9 See General Education Core for course options. 10 See General Education Core for course options. 11 Set See General Education Core for course options. 12 See General Education Core for course options. 13 Satisfies Major-Specific Requirement. 14 BIOL 34XX-44XX 15 Major Advanced Elective 16 See General Education Core for more details. Options: 17 See General Education Core for more details. Options:	SPRING 3	CHEM 1312	General Chemistry II		030	CHEM 1311.	
14 Semester Total Hours 15 Choose 1 American History (Core) 16 Semester Total Hours 17 Chem 2323 Chemistry I 18 Course 7 Course Title Min. Grade GEC Preequisite Additional Notes 19 Credit/registration in CHEM 2323. 19 Chemistry I Lab Credit/registration in CHEM 2323. 10 Chemistry I Lab Credit/registration in CHEM 2323. 11 CHEM 2123 Organic Chemistry I Lab Credit/registration in CHEM 2323. 19 BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instructor. 20 See General Education Core for course options. 21 See General Education Core for course options. 22 See General Education Core for more details. Options: 23 AMXX-X3XX Minor 24 BIOL 3413 Genetics BIOL 1487), BIOL 1497 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 111	1	CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312.	
THE Course # Course Title Min. Grads GEC Prerequisite GEC Prerequisite Additional Notes CHEM 2323 Organic Chemistry I CHEM 2123 Organic Chemistry I Lab Credit/registration in CHEM 2323. BIOL 3301 Biological Evolution BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instructor. BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instructor. See General Education Core for course options. See General Education Core for more details. Options: HIST 1301 or HIST 1387 (H) or HIST/MASC 2327 AWAXX-X3XX Minor BIOL 3413 Genetics BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111,					090		See General Education Core for course options.
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. 3 Choose 1 Language, Philosophy & Culture (Core) 040 See General Education Core for course options. 4 Choose 1 American History (Core) 060 See General Education Core for more details. Options: HIST 1301 or HIST 1387 (H) or HIST/MASC 2327 4 BIOL 3413 Genetics BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111. 5 Satisfies Major-Specific Requirement. CHEM 1312, and CHEM 1112. BIOL 34XX-44XX Major Advanced Elective 090 See General Education Core for more details. Options: BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111. 5 See General Education Core for more details. Options: Biology Group B Organismal				Min			
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BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instructor. BIOL 1406 (or BIOL 1487) and BIOL 1407 (or BIOL 1488), or permission of instructor. See General Education Core for course options. See General Education Core for more details. Options: HIST 1301 or HIST 1387 (H) or HIST/MASC 2327 American History (Core) BIOL 1406 (or BIOL 1487) BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1111, CHEM 1111, CHEM 1111, CHEM 1312, and CHEM 1312, and CHEM 1312. BIOL 34XX-44XX Major Advanced Elective Ogo Choose 1 American History (Core) American History (Core) BIOL 1406 (or BIOL 1487) BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1111, CHEM 1111, CHEM 1111, Satisfies Major-Specific Requirement. BIOL 34XX-44XX Major Advanced Elective Ogo See General Education Core for more details. Options: See General Education Core for more details. Options: See General Education Core for more details. Options:	3	CHEM 2323	Organic Chemistry I				
See General Education Core for course options. Choose 1 Language, Philosophy & Culture (Core) 040 See General Education Core for more details. Options: HIST 1301 or HIST 1387 (H) or HIST/MASC 2327 3 X3XX-X3XX Minor 16 Semester Total Hours 4 BIOL 3413 Genetics BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1111, Satisfies Major-Specific Requirement. BIOL 34XX-44XX Major Advanced Elective 90 See General Education Core for more details. Options: CHEM 1312, and CHEM 1112. BIOL 34XX-44XX Major Advanced Elective 90 See General Education Core for more details. Options:	1	CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.	
3 Choose 1 American History (Core) 060 See General Education Core for more details. Options: HIST 1301 or HIST 1387 (H) or HIST/MASC 2327 16 Semester Total Hours 4 BIOL 3413 Genetics BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1111, CHEM 11112. 4 BIOL 34XX-44XX Major Advanced Elective 090 Biology Group B Organismal 5 See General Education Core for more details. Options: Chem 1312, and CHEM 1112. 6 See General Education Core for more details. Options: See General Education Core for more details. Options: See General Education Core for more details. Options:	3	BIOL 3301	Biological Evolution				Satisfies Major-Specific Requirement.
3 Choose 1 American History (Core) 060 HIST 1301 or HIST 1387 (H) or HIST/MASC 2327 3 X3XX-X3XX Minor 16 Semester Total Hours 4 BIOL 3413 Genetics BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1111, CHEM 1111, CHEM 1112. 4 BIOL 34XX-44XX Major Advanced Elective 090 See General Education Core for more details. Options:	3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
16 Semester Total Hours 4 BIOL 3413 Genetics BIOL 1406 (or BIOL 1487), BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1111, Satisfies Major-Specific Requirement. 4 BIOL 34XX-44XX Major Advanced Elective 090 Biology Group B Organismal 5 See General Education Core for more details. Options:	3	Choose 1	American History (Core)		060		
BIOL 1406 (or BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1111, CHEM 1111, CHEM 1111, CHEM 1312, and CHEM 1312, and CHEM 1112. BIOL 34XX-44XX Major Advanced Elective 090 See General Education Core for more details. Options:	3	X3XX-X3XX	Minor				
BIOL 1406 (or BIOL 1407 (or BIOL 1487), CHEM 1311, CHEM 1111, CHEM 1111, CHEM 1111, CHEM 1111, CHEM 1312, and CHEM 1312, and CHEM 1112. BIOL 34XX-44XX Major Advanced Elective 090 See General Education Core for more details. Options:	16 Se	emester Total Hours	I.				
See General Education Core for more details. Options:			Genetics				Satisfies Major-Specific Requirement.
	4 9	BIOL 34XX-44XX	Major Advanced Elective		090		Biology Group B Organismal
	SPRING 3	Choose 1	American History (Core)		060		
3 X3XX-X3XX Minor	3	X3XX-X3XX	Minor				
14 Semester Total Hours	14 Se	emester Total Hours					

CORE: The 2019-2020 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core www.utrgv.edu/core

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	4	BIOL 3409	Ecology			9 hours of Biology, including BIOL 1407 (or BIOL 1488).	Satisfies Major-Specific Requirement.
	3	BIOL 33XX-43XX	Major Advanced Elective				BIOL 3000/4000
FALL	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				
AR	3	X3XX-X3XX	Free Elective				
D YE	16 Sem	ester Total Hours					
THIR	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
SPRING	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				
	17 Sem	ester Total Hours					
-	17 Sem	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			Course Title Major Advanced Elective	Min. Grade	GEC	Prerequisite	Additional Notes BIOL 3000/4000
	Н	Course #		Min. Grade	GEC	Prerequisite	
FALL	3	Course # BIOL 33XX-43XX	Major Advanced Elective	Min. Grade	GEC	Prerequisite	BIOL 3000/4000
TH YEAR FALL	н 3 4	Course # BIOL 33XX-43XX BIOL 34XX-44XX	Major Advanced Elective Major Advanced Elective	Min. Grade	GEC 050		BIOL 3000/4000
OURTH YEAR FALL	3 4 3 3	Course # BIOL 33XX-43XX BIOL 34XX-44XX 33XX-43XX	Major Advanced Elective Major Advanced Elective Minor (Advanced)	Min. Grade			BIOL 3000/4000 Biology Group C Ecological/Environmental
FOURTH YEAR FALL	3 4 3 3	BIOL 33XX-43XX BIOL 34XX-44XX 33XX-43XX Choose 1	Major Advanced Elective Major Advanced Elective Minor (Advanced)	Min. Grade			BIOL 3000/4000 Biology Group C Ecological/Environmental
FOURTH YEAR FALL	3 4 3 3 3 Sem	BIOL 33XX-43XX BIOL 34XX-44XX 33XX-43XX Choose 1	Major Advanced Elective Major Advanced Elective Minor (Advanced) Creative Arts (Core)	Min. Grade			BIOL 3000/4000 Biology Group C Ecological/Environmental
FOURTH YEAR FALL FALL	3 4 3 3 13 Sem 3	BIOL 33XX-43XX BIOL 34XX-44XX 33XX-43XX Choose 1 Dester Total Hours 33XX-43XX	Major Advanced Elective Major Advanced Elective Minor (Advanced) Creative Arts (Core) Minor (Advanced)	Min. Grade			BIOL 3000/4000 Biology Group C Ecological/Environmental See General Education Core for course options.
FOURTH YEAR FALL FALL	3 4 3 3 13 Sem 3 3	BIOL 33XX-43XX BIOL 34XX-44XX 33XX-43XX Choose 1 Dester Total Hours 33XX-43XX BIOL 33XX-43XX	Major Advanced Elective Major Advanced Elective Minor (Advanced) Creative Arts (Core) Minor (Advanced) Major Advanced Elective	Min. Grade	050		BIOL 3000/4000 Biology Group C Ecological/Environmental See General Education Core for course options.

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:

Minimum 44 credit hours in Biology and 2.50 Biology GPA; At least 32 upper division hours in Biology.

120 TOTAL HOURS

(42) TOTAL ADVANCED HOURS

Approved: Friday, March 22, 2019 Revised: Monday, May 6, 2019