

		!	H	A	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3		Choose 1	Communication (Core)		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)	
			3		CHEM 1311	General Chemistry I		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		090	Credit/registration in CHEM 1311		
			4		MATH 2413	Calculus I		020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.		
			3		Choose 1	Social and Behavioral Sciences (Core)				See General Education Core for course options.	
					UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.	
			14 (0) Semester Total Hours								
FIRST YEAR	SPRING		3		Choose 1	Communication (Core)		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	
			3		CHEM 1312	General Chemistry II		030	CHEM 1311.		
			1		CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312.		
			4		MATH 2414	Calculus II			MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
			3		Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1301 or HIST 1387 or HIST/MASC 2327	
			1		Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.	
			15 (0) Semester Total Hours								
		! <td>H <td>A <td>Course # <td>Course Title <td>Min. Grade <td>GEC <td>Prerequisite <td>Additional Notes</td> </td></td></td></td></td></td></td>	H <td>A <td>Course # <td>Course Title <td>Min. Grade <td>GEC <td>Prerequisite <td>Additional Notes</td> </td></td></td></td></td></td>	A <td>Course # <td>Course Title <td>Min. Grade <td>GEC <td>Prerequisite <td>Additional Notes</td> </td></td></td></td></td>	Course # <td>Course Title <td>Min. Grade <td>GEC <td>Prerequisite <td>Additional Notes</td> </td></td></td></td>	Course Title <td>Min. Grade <td>GEC <td>Prerequisite <td>Additional Notes</td> </td></td></td>	Min. Grade <td>GEC <td>Prerequisite <td>Additional Notes</td> </td></td>	GEC <td>Prerequisite <td>Additional Notes</td> </td>	Prerequisite <td>Additional Notes</td>	Additional Notes	
SECOND YEAR	FALL		3		CHEM 2323	Organic Chemistry I			Credit in CHEM 1312/1112		
			1		CHEM 2123	Organic Chemistry I Lab			Credit/registration in CHEM 2323.		
			4		PHYS 1401	General Physics I		090	MATH 1414 or MATH 1314.	One hour Integrative & Experiential Learning	
			3		Choose 1	Language, Philosophy & Culture (Core)				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	
					14 (0) Semester Total Hours						
SECOND YEAR	SPRING		3		CHEM 2325	Organic Chemistry II			Credit in CHEM 2323/2123		
			1		CHEM 2125	Organic Chemistry II Lab			CHEM 2123.		
			4		PHYS 1402	General Physics II			PHYS 1401.		
			3		Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.	
			3		Choose 1	Creative Arts (Core)				See General Education Core for course options.	
					14 (0) Semester Total Hours						

CORE: The 2017-2019 list of core courses can be found at: www.utrgv.edu > Academics > Undergraduate > General Education Core
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 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 -

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	3	(3)		CHEM 3303	Biochemistry I			CHEM 2323.		
		1	(1)		CHEM 3103	Biochemistry I Lab			Credit in CHEM 2123. Credit/registration in CHEM 3303.		
		3			CHEM 2301	Analytical Chemistry			Credit in CHEM 1312		
		1			CHEM 2101	Analytical Chemistry Lab			CHEM 2301. Credit in CHEM 1112.		
		3			Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2305 or POLS 2385 (H)	
		4	(4)		34XX-44XX	Advanced Elective				CHEM, BIOL, PHYS, MATH, ENGR	
	15 (8) Semester Total Hours										
	SPRING	3	(3)		CHEM 3301	Inorganic Chemistry			12 hours of chemistry, including CHEM 2323.		
		1	(1)		CHEM 3101	Inorganic Chemistry Lab			Credit/registration in CHEM 3301.		
		3	(3)		CHEM 4304	Instrumental Analysis			CHEM 2301 and CHEM 2101.		
		1	(1)		CHEM 4104	Instrumental Analysis Lab			CHEM 4304.		
		3			Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)	
		4	(4)		34XX-44XX	Advanced Elective				CHEM, BIOL, PHYS, MATH, ENGR	
	15 (12) Semester Total Hours										
	SUMMER										
0 (0) Semester Total Hours											
FOURTH YEAR	FALL	3	(3)		CHEM 3304	Physical Chemistry I			PHYS 1402; MATH 2413 (or MATH 2487) with a grade of 'C' or better and registration in MATH 2414 (or MATH 2488).		
		1	(1)		CHEM 3104	Physical Chemistry I Lab			Credit/registration in CHEM 3304.		
		3	(3)		MATH 3341	Differential Equations			MATH 2414 (or MATH 2488) and MATH 2318 with a grade of 'C' or better.		
		3	(3)		CHEM 4305				Senior standing		
		3	(3)		CHEM 33XX-43XX	Major Advanced Elective				CHEM	
		3	(3)		33XX-43XX	Advanced Elective				CHEM, BIOL, PHYS, MATH, ENGR	
	16 (16) Semester Total Hours										
	SPRING	3	(3)		CHEM 3305	Physical Chemistry II			CHEM 3304		
		1	(1)		CHEM 3105	Physical Chemistry II Lab			Credit/registration in CHEM 3305.		
		2	(2)		CHEM 4201	Chemistry Problems I			Chemistry major with junior standing or consent of instructor.		
		3	(3)		CHEM 33XX-43XX	Major Advanced Elective				CHEM	
		3	(3)		33XX-43XX	Advanced Elective				CHEM, BIOL, PHYS, MATH, ENGR	
		2			12XX-42XX	Free Elective					
	3			13XX-43XX	Free Elective						
	17 (12) Semester Total Hours										
SUMMER											
	0 (0) Semester Total Hours										

Graduation Requirements

In addition to the graduation requirements listed in the UTRGV 2017-2019 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
(48) TOTAL ADVANCED HOURS

Approved:
Revised: Monday, March 20, 2017