

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FIRST YEAR	3	Choose 1	Communication	C	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.	See General Education Core for more details Options: ENGL 1301
	3	CHEM 1311	General Chemistry I		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		090	Credit/registration in CHEM 1311	
	3	Choose 1	Support Courses Choose at least one:				Satisfies Major-Specific Requirement MATH 1314, MATH 1414, MATH 1342, MATH 1343
	4	PHYS 1401	General Physics I		090	MATH 1414, MATH 1314, MATH 2412, or MATH 2413.	One hour Integrative & Experiential Learning
			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
14 Semester Total Hours							
SPRING	3	Choose 1	Communication	C	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.	See General Education Core for more details Options: ENGL 1302 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	PHYS 1402	General Physics II			PHYS 1401.	Satisfies Major-Specific Requirement.
	4	MATH 2412	PreCalculus			MATH 1314 or MATH 1414 with a grade of 'C' or better; or passing the College Algebra Exemption Test administered by the Department of Mathematics.	Satisfies Major-Specific Requirement.
15 Semester Total Hours							
SECOND YEAR	3	CHEM 2323	Organic Chemistry I			CHEM 1312.	
	1	CHEM 2123	Organic Chemistry I Lab			CHEM 1112.	
	3	CHEM 2301	Analytical Chemistry			CHEM 1312 and CHEM 1112.	
	1	CHEM 2101	Analytical Chemistry Lab			CHEM 2301	
	4	MATH 2413	Calculus I	C	020	MATH 2412 with a grade of 'C' or better; or passing the Precalculus Exemption Test administered by the Department of Mathematics.	Satisfies Major-Specific Requirement.
	3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
	15 Semester Total Hours						
SPRING	3	CHEM 2325	Organic Chemistry II			CHEM 2323.	
	1	CHEM 2125	Organic Chemistry II Lab			CHEM 2325.	
	3	CHEM 3301	Inorganic Chemistry			12 hours of chemistry, including CHEM 2323.	
	1	CHEM 3101	Inorganic Chemistry Lab			CHEM 3301.	
	4	MATH 2414	Calculus II			MATH 2413 with a grade of 'C' or better.	Satisfies Major-Specific Requirement.
	2	12XX-42XX	Free Elective				
14 Semester Total Hours							

The 2024-2026 list of core courses can be found in the 2024-2026 Undergraduate Catalog: www.utrgv.edu/catalog > See 'Bachelors Degree Program Regulations'

Symbols Key

Minimum Grade: A - Excellent; B - Good; C - Satisfactory; D - Below Average; CR - Credit; P - Passing; S - Satisfactory.
Bolded Course #: Program Admission Requirement

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	3	CHEM 3303 or CHEM 3387			CHEM 2323.		
		1	CHEM 3103			CHEM 3303.		
		3	CHEM 3304	Physical Chemistry I			PHYS 1402; MATH 2413 with a grade of 'C' or better and pre or co-requisites in MATH 2414.	
	SPRING	1	CHEM 3104	Physical Chemistry I Lab			CHEM 3304.	
		3	POLS 2305	U.S. Federal Government & Politics		070		See General Education Core for more details
		4	34XX-44XX	Advanced Science Elective				See Degree Plan for options: ASTR, BENG, BIOL, CHEM, EEMS, ENVR, GEOG, GEOL, MARS, MATE, MATH, PHYS, PSCI, SAFS, STAT.
15 Semester Total Hours								
THIRD YEAR	FALL	3	CHEM 3305			CHEM 3304		
		1	CHEM 3105	Physical Chemistry II Lab			CHEM 3305.	
		3	Choose 1	Integrative/Experiential Learning Option		090		See General Education Core for course options.
	SPRING	3	POLS 2306	Texas Government & Politics		070		See General Education Core for more details
		2	CHEM 4201	Chemistry Problems I			Chemistry major with junior standing or consent of instructor.	
		3	CHEM 4304	Instrumental Analysis			CHEM 2301 and CHEM 2101.	Satisfies Major-Specific Requirement. Offered: Spring
		1	CHEM 4104	Instrumental Analysis Lab			CHEM 4304.	Satisfies Major-Specific Requirement. Offered: Spring
16 Semester Total Hours								
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FOURTH YEAR	FALL	3	Choose 1	Language, Philosophy & Culture		040		See General Education Core for course options.
		3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
		3	33XX-43XX	Advanced Science Elective				See Degree Plan for options: ASTR, BENG, BIOL, CHEM, EEMS, ENVR, GEOG, GEOL, MARS, MATE, MATH, PHYS, PSCI, SAFS, STAT.
	SPRING	3	CHEM 43XX-43XX	Advanced Chemistry Elective				Satisfies Major-Specific Requirement. See Degree for CHEM course options.
		3	CHEM 43XX-43XX	Advanced Chemistry Elective				Satisfies Major-Specific Requirement. See Degree for CHEM course options.
		15 Semester Total Hours						
FOURTH YEAR	SPRING	4	34XX-44XX	Advanced Science Elective				See Degree Plan for options: ASTR, BENG, BIOL, CHEM, EEMS, ENVR, GEOG, GEOL, MARS, MATE, MATH, PHYS, PSCI, SAFS, STAT.
		3	Choose 1	Social and Behavioral Sciences		080		See General Education Core for course options. Recommended PSYC 2301.
		3	CHEM 4305	Chemistry Capstone			Chemistry Major with senior standing or consent of instructor.	Satisfies Major-Specific Requirement. Offered: Spring and Fall
		3	Choose 1	Creative Arts		050		See General Education Core for course options.
		3	33XX-43XX	Advanced Science Elective				See Degree Plan for options: ASTR, BENG, BIOL, CHEM, EEMS, ENVR, GEOG, GEOL, MARS, MATE, MATH, PHYS, PSCI, SAFS, STAT.
16 Semester Total Hours								
120 TOTAL HOURS								
(42) Advanced minimum credit hours								

Revised: Thursday, August 29th, 2024