

	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FIRST YEAR FALL	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	POLS 2305	U.S. Federal Government & Politics		070		See General Education Core for more details.
	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.	
	1	UTCH 1101	Inquiry Approaches to Teaching	C		Must be in a College of Sciences major.	
			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
15 Semester Total Hours							
FIRST YEAR 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	MATH 2414	Calculus II			MATH 2413 with a grade of 'C' or better.	
	3	POLS 2306	Texas Government & Politics		070		See General Education Core for more details.
	3	Choose 1	Creative Arts		050		See General Education Core for course options.
	1	UTCH 1102	Inquiry-Based Lesson Design	C		UTCH 1101 with a grade of 'C' or better.	
18 Semester Total Hours							
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
SECOND YEAR FALL	3	CHEM 2323	Organic Chemistry I			CHEM 1312.	
	1	CHEM 2123	Organic Chemistry I Lab			CHEM 1112.	
	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 1301 or HIST 2327
	4	PHYS 1401	General Physics I		090	MATH 1414 or MATH 1314, MATH 2412 or MATH 2413	
	3	UTCH 3301	Knowing and Learning in Mathematics and Science	C		UTCH 1101 and UTCH 1102 with a grade of 'C' or better or concurrent enrollment with UTCH 1102.	
	17 Semester Total Hours						
SECOND YEAR SPRING	3	CHEM 2325	Organic Chemistry II			CHEM 2323.	
	1	CHEM 2125	Organic Chemistry II Lab			CHEM 2325.	
	3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
	3	Choose 1	Integrative/Experiential Learning Option		090		See General Education Core for course options.
	3	Choose 1	Social and Behavioral Sciences		080		See General Education Core for course options.
	2	XXXX-XXXX	Free Elective				
15 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
FALL	3	CHEM 3303 or CHEM 3387	Biochemistry I or Biochemistry I Honors			CHEM 2323.	
	1	CHEM 3103	Biochemistry I Lab			CHEM 3303.	
	3	CHEM 2301	Analytical Chemistry			CHEM 1312 and CHEM 1112.	
	1	CHEM 2101	Analytical Chemistry Lab			CHEM 2301.	
	4	PHYS 1402	General Physics II			PHYS 1401.	
	3	BIOL 4392	Research Methods in the Science and Mathematics Classroom (UTeach)			Grade C or better in the following: MATH 2413 and UTCH 1102.	
15 Semester Total Hours							
THIRD YEAR	3	CHEM 3304	Physical Chemistry I			PHYS 1402; MATH 2413 with a grade of "C" or better and pre or co-requisites in <u>MATH 2414</u> .	
	1	CHEM 3104	Physical Chemistry I Lab			CHEM 3304.	
	3	READ 4305	Disciplinary Literacy in the Classroom				
	3	UTCH 3302	Classroom Interactions	C		(a) An institutional grade point average of at least 2.75, (b) UTCH 1102 with a grade of 'C' or better, (c) UTCH 3301 with a grade of 'C' or better, and (d) admission to the Teacher Education Program.	
	3	CHEM 3301	Inorganic Chemistry			12 hours of chemistry, including CHEM 2323.	
	1	CHEM 3101	Inorganic Chemistry Lab			CHEM 3301.	
	3	CHEM 4304	Instrumental Analysis			CHEM 2301 and CHEM 2101.	
	1	CHEM 4104	Instrumental Analysis Lab			CHEM 4304.	
18 Semester Total Hours							
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR	3	CHEM 3305	Physical Chemistry II			CHEM 3304	
	1	CHEM 3105	Physical Chemistry II Lab			CHEM 3304.	
	3	CHEM 4305	Chemistry Capstone			Chemistry Major with senior standing or consent of instructor.	
	2	CHEM 4201	Chemistry Problems I			Chemistry major with junior standing or consent of instructor.	
	3	PHIL 3317	Perspectives on Science and Mathematics			Credit of "C" or better or registration in UTCH 3302.	
	3	UTCH 3303	Project-Based Instruction			UTCH 3302 with a grade of 'C' or better. Must be officially admitted to the Educator Preparation Program.	
15 Semester Total Hours							
	6	UTCH 4601	Apprentice Teaching			UTCH 3303 with a grade of 'C' or better.	
	1	UTCH 4101	Apprentice Teaching Seminar			UTCH 3303 with a grade of 'C' or better.	
7 Semester Total Hours							

120 TOTAL HOURS

(42) Advanced minimum credit hours

Revised: Wednesday, October 9th, 2024