

	I	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 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	
		3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2305 or POLS 2385 (H)
		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		Criminal background check and TB vaccine. Must be a Mathematics or Science Major	
			UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
	15 Semester Total Hours							
	SPRING	3	Choose 1	Communication (Core)	C	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		020	MATH 2413 (or MATH 2487) with a grade of 'C' or better.	
		3	Choose 1	Government/Political Science (Core)		060		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)
		3	Choose 1	Creative Arts (Core)		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 or concurrent enrollment with UTCH 3301.	
	18 Semester Total Hours							
SECOND YEAR	FALL	3	CHEM 2323	Organic Chemistry I			Prerequisite: CHEM 1312	
		1	CHEM 2123	Organic Chemistry I Lab			Prerequisite: CHEM 1112	
		3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
		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.
		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.	
	14 Semester Total Hours							
	SPRING	3	CHEM 2325	Organic Chemistry II			CHEM 2323	
		1	CHEM 2125	Organic Chemistry II Lab			CHEM 2325	
		3	Choose 1	American History (Core)		060		See General Education Core for more details. Options: HIST 1302 or HIST 1388 or HIST/MASC 2328
		3	Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.
		3	PHYS 4392	Research Methods				
		3	PHYS 3330	Functions and Modeling				
	16 Semester Total Hours							Must apply to Teacher Education Program.

CORE: The 2018-2019 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 - Applied Communication and Literacies; 090 - Humanities; 090 - Leadership; 090 - Science Labs; 090 - Interdisciplinary; 090 - Technologies; 090 - Language Diversity & Writing.

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	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
THIRD YEAR	FALL	3	CHEM 3303	Biochemistry I			CHEM 2323.	
		1	CHEM 3103	Biochemistry I Lab			CHEM 3303.	
		3	CHEM 2301	Analytical Chemistry			CHEM 1312	
		1	CHEM 2101	Analytical Chemistry Lab			CHEM 2301	
		4	PHYS 1401	General Physics I			MATH 1414 or MATH 1314, MATH 2412 or MATH 2413	
		3	PHIL 3317	Perspectives on Science and Mathematics			UTCH 1101, UTCH 1102	
		15 Semester Total Hours						
	SPRING	3	CHEM 3301	Inorganic Chemistry			12 hours of chemistry, including CHEM 2323.	
		1	CHEM 3101	Inorganic Chemistry Lab			Credit/registration in CHEM 3301.	
		3	CHEM 4304	Instrumental Analysis			CHEM 2301 and CHEM 2101.	
		1	CHEM 4104	Instrumental Analysis Lab			CHEM 4304.	
		4	PHYS 1402	General Physics II			PHYS 1401.	
		3	READ 4305	Content Area Literacy				
		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, © UTCH 3301 with a grade of "C" or better, and Admission to Teacher Educator Program	
		18 Semester Total Hours						
FOURTH YEAR	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
	FALL	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	CHEM 3104	Physical Chemistry I Lab			Credit/registration in 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	Choose 1	Social and Behavioral Sciences (Core)		080		See General Education Core for course options.
		3	UTCH 3303	Project-Based Instruction			(a) An institutional grade point average of at least 2.75, (b) UTCH 3302 with a grade of "C" or better	
		15 Semester Total Hours						
	SPRING	3	CHEM 3305	Physical Chemistry II			CHEM 3304	
		1	CHEM 3105	Physical Chemistry II Lab			Credit/registration in CHEM 3305.	
		6	UTCH 4601	Apprentice Teaching			(a) A university grade point average of at least 2.75, (b) UTCH 3303 with a grade of 'C' or better, (c) successful completion of PPR and content TEXES examinations	
		1	UTCH 4101	Apprentice Teaching Seminar			(a) A university grade point average of at least 2.75, (b) UTCH 3303 with a grade of 'C' or better, co-requisite: UTCH 4601,	
		11 Semester Total Hours						

Note

This program leads to a profession which requires an occupational license as defined under Texas Occupations Code 58.001. This requires that all applicants seeking to become licensed must undergo a criminal background check prior to licensure. Students in this program should check with the College of Education and P-16 Integration on the requirements for a criminal background check prior to student teaching.

Progression requirements

Admission to the College of Education and P-16 Integration is required for participation in Apprentice Teaching and Seminar (UTCH 4601, 4101). Students unable to be admitted to UTCH 4601 and UTCH 4101 will be required to substitute 5 advanced hours, as recommended by advisor.

Graduation Requirements

In addition to the graduation requirements listed in the UTRGV 2018-2019 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.

122 TOTAL HOURS

(53) TOTAL ADVANCED HOURS

Approved: Monday, April 9, 2018

Revised: Monday, July 2, 2018