

	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
	4	BIOL 1406	General Biology I	C	090		Satisfies Major-Specific Requirement. (One hour lab - Integrative & Experiential Learning in the General Education Core)
	3	MATH 1314, 1414, 2412, or 2413	College Algebra, Precalculus or Calculus I	C	020	MATH 1314 or MATH 1414: College Ready TSI status in Mathematics. MATH 2412: 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. MATH 2413: 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		080		
	1	UTCH 1101	Inquiry Approaches to Teaching	C		Must be in a College of Sciences major.	A criminal background check will be required and a tuberculosis test may be required before the first field experience.
		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							
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
	4	BIOL 1407	General Biology II	C		BIOL 1406 or BIOL 1487.	Satisfies Major-Specific Requirement.
	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	MATH 1342 or MATH 1343	Elementary Statistical Methods or Introduction to Biostatistics			College Ready TSI status in Mathematics.	Satisfies Major-Specific Requirement.
	1	UTCH 1102	Inquiry-Based Lesson Design	C		UTCH 1101 with a grade of 'C' or better.	Satisfies Major-Specific Requirement.
15 Semester Total Hours							
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
SECOND YEAR FALL	3	CHEM 1312	General Chemistry II		030	CHEM 1311.	
	1	CHEM 1112	General Chemistry II Lab		090	Credit/registration in CHEM 1312.	
	3	POLS 2305	U.S. Federal Government and Politics		070		See General Education Core for more details.
	3	Choose 1	Creative Arts		050		See General Education Core for course options.
	3	BIOL 3301	Ecology and Evolution			Grade of 'C' or better in BIOL 1406 and BIOL 1407	Satisfies Major-Specific Requirement.
	2	BIOL 3201	Techniques in Ecology and Evolutionary Biology Laboratory			Grade of 'C' or better in BIOL 1406 and BIOL 1407	Satisfies Major-Specific Requirement.
15 Semester Total Hours							
SECOND YEAR SPRING	3	CHEM 2323	Organic Chemistry I			CHEM 1312.	Satisfies Major-Specific Requirement.
	1	CHEM 2123	Organic Chemistry I Lab			CHEM 1112.	Satisfies Major-Specific Requirement.
	3	POLS 2306	Texas Government and Politics		070		See General Education Core for more details
	4	BIOL 2401	Anatomy and Physiology I				Satisfies Major-Specific Requirement.
	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.	Satisfies Major-Specific Requirement.
	3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
17 Semester Total Hours							
Student must apply to Teacher Education Program.							

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 Sciences; 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	BIOL 3315	Cell and Molecular Biology			Grade of "C" or better in the following: BIOL 1406 and BIOL 1407.	Satisfies Major-Specific Requirement.
	2	BIOL 3215	Cellular, Molecular, and Genetics Lab			Grade of "C" or better in the following: BIOL 1406 and BIOL 1407.	Satisfies Major-Specific Requirement.
	3	BIOL 3313	Genetics			Grade of "C" or better in the following: BIOL 1406 and BIOL 1407.	Satisfies Major-Specific Requirement.
	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	Language, Philosophy, and Culture		040		See General Education Core for course options.
17 Semester Total Hours							
THIRD YEAR SPRING	3	Choose 1	Free Electives				
	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.	Satisfies Major-Specific Requirement.
	3	READ 4305	Disciplinary Literacy in the Classrooms				Satisfies Major-Specific Requirement.
	2	BIOL 3230	Biology Data Analysis and Informatics			BIOL 1406 and BIOL 1407	Satisfies Major-Specific Requirement.
4	BIOL 34XX-44XX	Prescribed Advanced Electives				See Degree Plan for course options.	
15 Semester Total Hours							
SUMMER	3	BIOL 4392	Research Methods in the Science and Mathematics Classroom (UTeach)			Grade of 'C' or better in the following: BIOL 1406, BIOL 1407; or CHEM 1111, CHEM 1112, CHEM 1311, CHEM 1312; or MATH 1314 or MATH 1414; or PHYS 1401, PHYS 1402 or PHYS 2425, PHYS 2426 or PHYS 2411, PHYS 2412; and UTCH 1101, UTCH 1102 or consent of instructor.	Satisfies Major-Specific Requirement.
	3	BIOL 4315	Inquiry-Based Science and Laboratory Techniques			Grade of 'C' or better in BIOL 1406, BIOL 1407, and UTCH 3301 or consent of instructor.	Satisfies Major-Specific Requirement.
6 Semester Total Hours							
	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
FOURTH YEAR FALL	3	UTCH 3303	Project-Based Instruction	C		UTCH 3302 with a grade of 'C' or better. Must be officially admitted to the Educator Preparation Program.	Satisfies Major-Specific Requirement.
	3	PHIL 3317	Perspectives on Science and Mathematics			Credit of "C" or better or registration in UTCH 3302.	Satisfies Major-Specific Requirement.
	4	BIOL 34XX-44XX	Prescribed Advanced Electives				See Degree Plan for course options.
	4	BIOL 14XX-44XX	Prescribed Elective				See Degree Plan for course options.
14 Semester Total Hours							
SPRING	1	UTCH 4101	Apprentice Teaching Seminar	C		UTCH 3303 with a grade of 'C' or better.	Satisfies Major-Specific Requirement.
	6	UTCH 4601	Apprentice Teaching	C		UTCH 3303 with a grade of 'C' or better.	Satisfies Major-Specific Requirement.
7 Semester Total Hours							
120 TOTAL HOURS							
(42) Advanced minimum credit hours							

Revised: Wednesday, October 9th, 2024