



**Bachelor of Science (BS)
Interdisciplinary Studies**
Science, 4-8, Teacher Certification

2024-2026

	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			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	American History		060		See General Education Core for more details. Options: HIST 1301 or HIST 2327
		1	UTCH 1101	Inquiry Approaches to Teaching	C		Must be a Mathematics or Science 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
14 Semester Total Hours								
SPRING		3	Choose 1	Communication	C	010	For all 010 courses: Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301. For ENGL 1302, a grade of "C" or better in ENGL 1301.	See General Education Core for more details. Options: ENGL 1302 or ENGL 1305
		3	Choose 1	Language, Philosophy, and Culture		040		See General Education Core for course options.
		4	BIOL 1407	General Biology II	C		BIOL 1406 or BIOL 1487.	Satisfies Major-Specific Requirement.
		4	PHYS 1401 or PSCI 1421	General Physics I or Physical Science I		030/ 090	PHYS 1401: MATH 1414, MATH 1314, MATH 2412, or MATH 2413	Satisfies Major-Specific Requirement.
		1	UTCH 1102	Inquiry-Based Lesson Design	C		UTCH 1101 with a grade of "C"	
15 Semester Total Hours								
SECOND YEAR	FALL	4	PHYS 1402 or PSCI 1422	General Physics II or Physical Science II		030/ 090	PHYS 1402: PHYS 1401. PSCI 1421: PSCI 1421	Satisfies Major-Specific Requirement.
		3	Choose 1	American History		060		See General Education Core for more details. Options: HIST 1302 or HIST 2328
		3	POLS 2305	U.S. Federal Government and Politics		070		See General Education Core for more details.
		3	CHEM 1311	General Chemistry I	C		MATH 1314, MATH 1414, MATH 1342, MATH 1343, MATH 2412, MATH 2413 with a grade of "C" or higher.	Satisfies Major-Specific Requirement.
		1	CHEM 1111	General Chemistry I Lab	C	090	Credit/registration in CHEM 1311.	One hour Integrative & Experiential Learning.
		1	Choose 1	Integrative/Experiential Learning Option		090		See General Education Core for course options.
	15 Semester Total Hours							
SPRING		4	ENVR 1401	Introduction to Environmental Science I				Satisfies Major-Specific Requirement.
		3	POLS 2306	Texas 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	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	Integrative/Experiential Learning Option		090		See General Education Core for course options.
16 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 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	BIOL 3301	Ecology and Evolution			Grade of 'C' or better in the following: BIOL 1406 and BIOL 1407.	Satisfies Major-Specific Requirement.
	4	GEOL 1403	Physical Geology	C				Satisfies Major-Specific Requirement.
	3	MATH 1342 or MATH 1343	Elementary Statistical Methods or Introduction to Biostatistics				Prerequisites: College Ready TSI status in Mathematics.	Satisfies Major-Specific Requirement.
	4	ASTR 1401	Introduction to Astronomy I					Satisfies Major-Specific Requirement. (One hour lab - Integrative & Experiential Learning in the General Education Core)
	3	Choose 1	Social and Behavioral Sciences		080			See General Education Core for course options.
17 Semester Total Hours								
THIRD YEAR	SPRING	4	GEOL 3401	Geomorphology			GEOL 1403 with a grade of 'C' or better.	Satisfies Major-Specific Requirement.
	3	GEOL 2313	Principles of Geography Physics Elementary					Satisfies Major-Specific Requirement.
	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.
	4	Choose 1	Prescribed Electives					See Degree Plan for course options.
	3	READ 4305	Disciplinary Literacy in the Classroom					Satisfies Major-Specific Requirement.
17 Semester Total Hours								
SUMMER	3	BIOL 4392	Research Methods in the Science and Mathematics Classroom (UTeach)				For BIOL 4392: Grade of 'C' or better in the following: BIOL 1406, BIOL 1407; or CHEM 1111, 1112, 1311, 1312; or MATH 1314 or 1414; or PHYS 1401, 1402 for PHYS 2425, 2426 or PHYS 2411, 2412; and UTCH 1101, 1102 or consent of instructor. For MATE 4392: one of the following: MATE 3305, STAT 3337, STAT 2334, or STAT 3301.	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	PHIL 3317	Perspectives on Science and Mathematics			Credit of "C" or better or registration in UTCH 3302.	Satisfies Major-Specific Requirement.
	3	Choose 1	Prescribed Electives					See Degree Plan for course options.
	4	GEOL 3405	Oceanography				Minimum grade of C in one of the following: GEOL 1403, GEOL 1404, MARS 2310 or BIOL 2310.	Satisfies Major-Specific Requirement.
	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.	
13 Semester Total Hours								
FOURTH YEAR	SPRING	1	UTCH 4101	Apprentice Teaching Seminar	C		UTCH 3303 with a grade of 'C' or better.	
	6	UTCH 4601	Apprentice Teaching	C			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