

FIRST YEAR	I H		Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
	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	MATH 1350	Fundamentals of Mathematics I	c		MATH 1314 or MATH 1414 with a grade of 'C' or better.	
			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	UTCH 1101	Inquiry Approaches to Teaching	c		Criminal background check and TB vaccine.	
			3	Choose 1	Integrative/Experiential Learning Option (Core)		090		Recommended: CSCI 1380 or CSCI 1370/1170
			4	MATH 2412	Precalculus	c	020	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.	
				UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.
	17 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	MATH 1351	Fundamentals of Mathematics II	c		MATH 1350 with a grade of 'C' or better.		
	!	3	Choose 1	American History (Core)	c	060		See General Education Core for more details. Options: HIST 1302 or HIST 1388 or HIST/MASC 2328	
	!	1	UTCH 1102	Inquiry-Based Lesson Design	c		UTCH 1101 with a grade of 'C' or better or concurrent enrollment with UTCH 1101.		
		4	MATH 2413	Calculus I	c		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 (Core)		080		Recommended: ECON 1301 or ECON 2301	
	17 Semester Total Hours								
SECOND YEAR	I H		Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
	FALL	!	4	Choose 1	Life and Physical Sciences (Core)		030		Recommended: PHYS 2425
		!	3	MATE 3301	Fundamentals of Middle School Mathematics	c		MATH 1351 with a grade of 'C' or better.	
			3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2305 or POLS 2385 (H)
		!	3	Choose 1	Creative Arts (Core)		050		See General Education Core for course options.
			3	Choose 1	Language, Philosophy & Culture (Core)		040		See General Education Core for course options.
		16 Semester Total Hours							
	SPRING	!	4	Choose 1	Life and Physical Sciences (Core)		030		Recommended: PHYS 2426
		!	3	MATE 3302	Fundamentals of Measurement and Geometry I	c		MATH 1351 with a grade of 'C' or better.	
			3	Choose 1	Government/Political Science (Core)		070		See General Education Core for more details Options: POLS 2306 or POLS 2386 (H)
		!	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 1101 and/or UTCH 1102 with consent of UTeach advisor.	
			1	Choose 1	Integrative/Experiential Learning Option (Core)		090		See General Education Core for course options.
									Must apply to Teacher Education Program
		14 Semester Total Hours							

CORE: The 2017-2019 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 - Computer Application; 090 - Interdisciplinary ;090 - Science Labs; 090 - Wellness.

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.

THIRD YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			3	MATE 3303	Fundamentals of Measurement and Geometry II	c		MATE 3302 with a grade of 'C' or better.	
			3	MATE 3304	Fundamentals of Algebraic Structures	c		MATH 1351 with a grade of 'C' or better.	
			3	MATE 3321	Functions and Modeling	c		MATH 2413 (or MATH 2487) and UTCH 1102, each with a grade of 'C' or better.	
			4	XXXX X4XX	Life and Physical Sciences				Support Course
			3	UTCH 3302	Classroom Interactions			(a) A university grade point average of at least 2.75, (b) UTCH 3301 with a grade of 'C' or better or concurrent enrollment with UTCH 3301 with consent of UTeach advisor, and (c) positive evaluation of stage-one UTeach portfolio.	
	16 Semester Total Hours								
SPRING		3	MATE 3305	Fundamentals of Statistics and Probability	c		MATH 1351 or MATH 2413 (or MATH 2487) with a grade of 'C' or better.		
		3	MATE 3306	Middle School Mathematics in a Technological Environment	c		MATH 1351 with a grade of 'C' or better.		
		3	MATE 3307	Fundamentals of Problem Solving	c		MATH 1351 with a grade of 'C' or better.		
		3	MATE 3313	Fundamentals of Mathematics History	c		MATH 1351 and MATH 2412, each with a grade of 'C' or better.		
		3	READ 4305	Content Area Literacy			Admission to COE Teacher Education Program.	Support Course	
	15 Semester Total Hours								
FOURTH YEAR	FALL	I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes
			3	MATE 3317	Perspectives in Mathematics and Science	c		MATE 3321, BIOL 3330, or PHYS 3330 with a grade of “C” or better.	
			3	MATE 3311	Fundamentals of Discrete Mathematics	c		MATH 1351 with a grade of 'C' or better.	
			3	MATE 3312	Fundamentals of Number Theory	c		MATH 1351 with a grade of 'C' or better.	
			3	MATE 3314	Fundamentals of Mathematical Structures and Processes	c		MATH 1351 with a grade of 'C' or better.	
			3	UTCH 3303	Project-Based Instruction	c		(a) A university grade point average of at least 2.75, (b) UTCH 3302 with a grade of 'C' or better or concurrent enrollment with UTCH 3302 with consent of UTeach advisor, and (c) positive evaluation of the second-stage UTeach portfolio.	
	15 Semester Total Hours								
			3	MATE 4319	Research Methods in Middle School Mathematics	c		Consent of instructor.	
			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, (c) concurrent enrollment with UTCH 4601, (d) successful completion of PPR and content TExES examinations, and (e) acceptance of the third-stage UTeach portfolio.	
			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, and (d) acceptance of the third-stage UTeach portfolio.	
		10 Semester Total Hours							

Progression requirements: Admission to the College of Education and P-16 Intregration is required for participation in Apprentice Teaching and Seminar (UTCH 4101, 4601). Students unable to be admitted to UTCH 4601 and UTCH 4101 will be required to substitute 7 advanced hours, as recommended by advisor.

Graduation Requirements: The student must complete all these major course requirements and all MATH courses with grades of 'C' or better and have with a GPA for the major of 2.5 or better. In addition to the graduation requirements listed in the UTRGV 2017-2019 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.

120 TOTAL HOURS
(58) TOTAL ADVANCED HOURS

Approved:
Revised: Wednesday, April 26, 2017