

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
FIRST YEAR	FALL		3	ENGL 1301	Rhetoric and Composition I	c	010	Satisfactory scores on English portion of ACT test and TSI examination or ENGL 0301.		
		!	3	MATH 1350	Fundamentals of Mathematics I	c		MATH 1314 or MATH 1414 with a grade of 'C' or better.		
			3	HIST 1301	U.S. History I		060			
		!	1	UTCH 1101	Inquiry Approaches to Teaching	c		Criminal background check and TB vaccine.		
			3	XXXX X3XX	Integrative and Experiential Learning		090		Recommended: CSCI 1380 or CSCI 1370/1170	
		4	XXXX X4XX	Life and Physical Sciences I		030		Recommended: PHYS 1401		
				UNIV 1301	Learning Framework				Only if required, based on ACT/SAT and high school rank.	
	<b>17 Semester Total Hours</b>									
		SPRING		3	ENGL 1302	Rhetoric And Composition II	c	010	A grade of 'C' or better in ENGL 1301 or ENGL 1387.	
	!		3	MATH 1351	Fundamentals of Mathematics II	c		MATH 1350 with a grade of 'C' or better.		
!	3		HIST 1302	U.S. History II	c	060				
!	1		UTCH 1102	Inquiry-Based Lesson Design	c		UTCH 1101 with a grade of 'C' or better or concurrent enrollment with UTCH 1101.			
	4		XXXX X4XX	Life and Physical Sciences II		030		Recommended: PHYS 1402		
	3	XXXX X3XX	Social and Behavioral Sciences		080		Recommended: ECON 1301 or ECON 2301			
<b>17 Semester Total Hours</b>										
SECOND YEAR	FALL		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.		
		!	3	MATE 3301	Fundamentals of Middle School Mathematics	c		MATH 1351 with a grade of 'C' or better.		
			3	POLS 2301	U.S. & Texas Government & Politics I		070			
		!	3	UTCH 3301	Knowing and Learning in Mathematics and Science	c	030	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.	Recommended: PHYS 2425	
			3	XXXX X3XX	Language, Philosophy & Culture		040		See General Education Core for course options.	
	<b>16 Semester Total Hours</b>									
		SPRING	!	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.	
	!		3	MATE 3302	Fundamentals of Measurement and Geometry I	c		MATH 1351 with a grade of 'C' or better.		
			3	POLS 2302	U.S. & Texas Government & Politics II		070			
	!		3	UTCH 3302	Classroom Interactions	c		(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.		
	1		XXXX X1XX	Integrative and Experiential Learning		090				
	3	XXXX X3XX	Creative Arts		050		See General Education Core for course options.			
<b>17 Semester Total Hours</b>										

**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.

		I	H	Course #	Course Title	Min. Grade	GEC	Prerequisite	Additional Notes	
THIRD YEAR	FALL		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.		
			3	READ 4305	Content Area Literacy	c		Admission to COE Teacher Education Program.		
	<b>12 Semester Total Hours</b>									
	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.		
	<b>12 Semester Total Hours</b>									
	FOURTH YEAR	FALL		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.		
<b>15 Semester Total Hours</b>										
SPRING			4	XXXX X4XX	Life and Physical Sciences				Support Course	
			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.		
		<b>14 Semester Total Hours</b>								

**Progression requirements:** Admission to the College of Education and P-16 Intregation 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.

**120 TOTAL HOURS**

**(61) TOTAL ADVANCED HOURS**

Approved: Friday, October 16, 2015

Revised: Tuesday, August 11, 2015