

BACHELOR OF SCIENCE IN EDUCATION DEGREE PLAN

Math 7-12

TEACHER CERTIFICATION



Name:

SID:

Date:

This degree plan is a guide to be used for planning in consultation with your academic advisor.

Course Prefix	Course Number	Course Title	Credit Hours	Notes
Freshman Year First Semester				
ENGL	1301	College Composition I	3	
MATH	1342	Statistics I	3	
HIST	1301	United States History I	3	
BIOL	1306	General Biology I	3	
CMST	1315	Fundamentals of Speech Communication	3	
			Credit hours	15
Freshman Year Second Semester				
Creative Art (Core, 3 hrs.)			3	
MATH	2312	Pre-Calculus	3	
ENGL	1302	College Composition II	3	
HIST	1303	History of Technology and Innovation in U.S. Society Since 1865 [HIST 1303]	3	
CHEM	1305	Introductory Chemistry	3	
			Credit hours	15
Sophomore Year First Semester				
Social and Behavioral Science (Core, 3 hrs.)			3	
Language, Philosophy, and Culture Option (Core, 3 hrs.)			3	
POLS	2306	Introductory Texas Politics	4	
MATH	2413	Calculus I	3	
PHYS	1301	College Physics	3	
PHYS	1101	College Physics Lab	1	
			Credit hours	17
Sophomore Year Second Semester				
POLS	2305	Introductory American Government [TCCN: GOVT 2305]	3	
MATH	2414	Calculus II	4	
MATH	3425	Foundations of Mathematics	4	
MATH	3365	Geometric Systems	3	
EDUT	1170	Inquiry Approaches to Teaching	1	
			Credit hours	15
Junior Year First Semester (Phase I)				
MATH	3404	Multivariate Calculus	3	
MATH	3305	Ordinary Differential Equations	3	
MATH	3336	Abstract Algebra	4	
EDUT	2170	Inquiry Based Lesson Design	1	
EDUT	3370	Knowing and Learning in Math and Science	3	
			Credit hours	14
Students must be admitted into the School of Education prior to Phase II.				
Junior Year Second Semester (Phase II)				
MATH	3315	Linear Algebra and Matrix Theory	3	
MATH	3351	Probability and Statistics for Engineers and Scientists	3	
MATH	2325	Functions and Modeling	3	
EDUT	3371	Classroom Interactions	3	
CHEM	3370	Perspectives on Science and Mathematics	3	

Credit hours 15

Students must first pass the Math 7-12 content TExES exam. The TExES content exams must be passed prior to Phase III.

Course Prefix	Course Number	Course Title	Credit Hours	Notes
Senior Year First Semester				
MATH		Math Elective approved by advisor	4	
	4302	Math Problem Solving and Tech. in the Secondary Classroom	3	
EDUT				
EDUC	4378	Methodology of Teaching ESL	3	
EDUT	4370	Project-Based Instruction	3	
EDFB	4338	Literacy in Content Areas	3	
			Credit hours	16
Senior Year Second Semester				
EDUC	4313	Teaching Mathematics in the Middle and High School	3	
EDSP	3351	Managing Instruction for Diverse Learners	3	
EDUC	4640	Apprentice Teaching / Clinical Teaching (70 days)	6	
EDUT	4170	Apprentice Teaching Seminar	1	
			Credit hours	13
			Total Credit Hours	120

Students interested in seeking certification in Special Education or English as a Second Language (ESL) must pass the content exams and meet the department requirements to be eligible for authorization to take the Special Education or ESL TExES exam.

Field or clinical experiences are required in conjunction with professional education courses. The School of Education in cooperation with participating school districts assigns students to school placements.

TExES Exams Required for Math 7-12 Certificate

- TExES Math 7-12 (Content)
- TExES 160 Pedagogy & Professional Responsibilities (PPR) EC-12

ACADEMIC ADVISOR

Ms. Lana Kinney

903-566-7022

lkinney@uttyler.edu

