

# BACHELOR OF SCIENCE IN EDUCATION DEGREE PLAN

## Math 4-8

## 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
<b>Freshman Year First Semester</b>				
MATH	1314	College Algebra	3	
ENGL	1301	College Composition I [TCCN: ENGL 1301]	3	
HIST	1301	United States History I [TCCN: HIST 1301]	3	
BIOL	1306	General Biology I [TCCN: BIOL 1306]	3	
BIOL	1106	General Biology I Lab [TCCN: BIOL 1106]	1	
CMST	1315	Fundamentals of Speech Communication [TCCN: SPCH 1315]	3	
			<b>Credit hours</b>	<b>16</b>
<b>Freshman Year Second Semester</b>				
ENGL	1302	College Composition II [TCCN: ENGL 1302]	3	
MATH	2312	Pre-Calculus	3	
HIST	1302	United States History II [TCCN: HIST 1302]	3	
CHEM	1305	Introductory Chemistry I [TCCN: CHEM 1305]	3	
CHEM	1105	Introductory Chemistry I Lab [TCCN: CHEM 1305]	1	
POLS	2305	Introductory American Government [TCCN: GOVT 2305]	3	
			<b>Credit hours</b>	<b>16</b>
<b>Sophomore Year First Semester</b>				
Social and Behavioral Science (Core, 3 hrs.)			3	
Language, Philosophy, and Culture Option (Core, 3 hrs.)			3	
MATH	1350	Concepts of Modern Math I [TCCN: MATH 1350]	3	
POLS	2306	Introductory Texas Politics [TCCN: GOVT 2306]	3	
MATH	1342	Statistics	3	
			<b>Credit hours</b>	<b>15</b>
<b>Sophomore Year Second Semester</b>				
STEM Elective (3000 or 4000 level, 3 hrs.)			3	
MATH	1351	Concepts of Modern Math II	3	
MATH		Math Elective (3000 or 4000 level)	3	
PHYS	1301	College Physics I	3	
PHYS	1101	College Physics I Lab	1	
ENGR	1201	Introduction to Engineering or course approved by advisor	3	
			<b>Credit hours</b>	<b>15</b>
<b>Junior Year First Semester (Phase I)</b>				
Creative Arts (Core, 3 hrs.)			3	
STEM Elective (3000 or 4000 level, 3 hrs.)			3	
MATH	2413	Calculus I	4	
EDUT	1170	Inquiry Approaches to Teaching	1	
EDUT	2170	Inquiry Based Lesson Design	1	
EDUT	3370	Knowing and Learning in Math and Science	3	
			<b>Credit hours</b>	<b>15</b>
<b>Students must be admitted into the School of Education prior to Phase II.</b>				
<b>Junior Year Second Semester (Phase II)</b>				
MATH	2330	Discrete Structures	3	
MATH	3452	Advanced Concepts of Mathematics	4	
MATH	2325	Functions and Modeling	3	

EDUT	3371	Classroom Interactions	3
CHEM	3370	Perspectives on Science and Mathematics	3
<b>Credit hours</b>			<b>16</b>
<b>Students must first pass the Math 4-8 content TExES exam. The TExES content exams must be passed prior to Phase III.</b>			

Course Prefix	Course Number	Course Title	Credit Hours	Notes
<b>Senior Year First Semester</b>				
MATH	3203	Matrix Methods in Science and Engineering	2	
EDUT	4302	Mathematical Problem Solving and Technology in the Secondary Classroom	3	
	4378	Methodology of Teaching ESL	3	
EDUC	4370	Project-Based Instruction	3	
EDFB	4338	Literacy in Content Areas	3	
<b>Credit hours</b>			<b>14</b>	
<b>Senior Year Second Semester</b>				
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	
<b>Credit hours</b>			<b>13</b>	
<b>Total Credit Hours</b>			<b>120</b>	

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 4-8 Certificate**

TExES Math 4-8 (Content)

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

#### **ACADEMIC ADVISOR**

Ms. Lana Kinney

903-566-7022

lkinney@uttyler.edu

