

# BACHELOR OF SCIENCE IN EDUCATION DEGREE PLAN

## Science 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>				
ENGL	1301	College Composition I	3	
MATH	1314	College Algebra	3	
HIST	1301	United States History I	3	
BIOL	1306	General Biology I	3	
BIOL	1106	General Biology I Lab	1	
CMST	1315	Fundamentals of Speech Communication	3	
			<b>Credit hours</b>	<b>16</b>
<b>Freshman Year Second Semester</b>				
MATH	1342	Statistics I	3	
ENGL	1302	College Composition II	3	
HIST	1302	United States History II	3	
CHEM	1311	Chemistry I	3	
CHEM	1111	Chemistry I Lab	1	
POLS	2305	Introductory American Government	3	
			<b>Credit hours</b>	<b>16</b>
<b>Sophomore Year First Semester</b>				
Language, Philosophy, and Culture Option (Core, 3 hrs.)			3	
POLS	2306	Introductory Texas Politics	3	
MATH	1343	Statistics II	3	
GEOL	3310	Geology: Physical Geology and Astronomy	3	
CHEM	1312	General Chemistry II	3	
CHEM	1112	General Chemistry II Lab	1	
			<b>Credit hours</b>	<b>16</b>
<b>Sophomore Year Second Semester</b>				
Social and Behavioral Sciences (Core, 3 hrs.)			3	
Creative Arts (Core, 3 hrs.)			3	
BIOL	1307	General Biology II	3	
BIOL	1107	General Biology II Lab	1	
GEOL	3314	Geology: Oceanography and Meteorology	1	
EDUT	1170	Inquiry Approaches to Teaching	3	
			<b>Credit hours</b>	<b>14</b>
<b>Junior Year First Semester (Phase I)</b>				
EDUT	2170	Inquiry Based Lesson Design	1	
EDUT	3370	Knowing and Learning in Math and Science	3	
BIOL	3336	Ecology	3	
BIOL	3137	Ecology Lab	1	
CHEM	3360	Research Methods	3	
PHYS	1301	College Physics I	3	
PHYS	1101	College Physics I Lab	1	
			<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>				
EDUT	3371	Classroom Interactions	3	
CHEM	3370	Perspectives on Science and Mathematics	3	

EDUT	4370	Project-Based Instruction	3
BIOL	3343	Physiology	3
BIOL	3144	Physiology Lab	1
BIOL	1340	Genetics and Society	3
<b>Credit hours</b>			<b>16</b>

**Students must first pass the Science 4-8 content TExES exam. The TExES content exams must be passed prior to Phase III.**

Course Prefix	Course Number	Course Title	Credit Hours	Notes
<b>Senior Year First Semester</b>				
		Science Elective w/ Laboratory (3000 or 4000 level, 4 hrs.)	4	
EDUC	4378	Methodology of Teaching ESL	3	
EDFB	4338	Literacy in Content Areas	3	
BIOL	3339	Plant Biology	3	
BIOL	3139	Plant Biology lab	1	
<b>Credit hours</b>			<b>14</b>	
<b>Senior Year Second Semester</b>				
EDUC	4314	Teaching Science 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 Science 4-8 Certificate**

TExES	Science 4-8 (Content)
TExES 160	Pedagogy & Professional Responsibilities (PPR) EC-12

#### **ACADEMIC ADVISOR**

Ms. Lana Kinney  
903-566-7022  
lkinney@uttyler.edu

