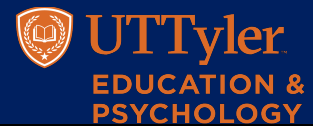


# BACHELOR OF SCIENCE IN EDUCATION DEGREE PLAN

## Physical Science 6-12

### 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
<b>Freshman Year First Semester</b>				
ENGL	1301	College Composition I	3	
MATH	1342	Statistics I	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	1343	Statistics II	3	
ENGL	1302	College Composition II	3	
HIST	1303	History of Technology and Innovation in U.S. Society since 1865	3	
CHEM	1311	General Chemistry I	3	
CHEM	1111	General 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 (Core, 3 hrs.)	3	
POLS	2306	Introductory Texas Politics	3	
MATH	2312	Pre-Calculus	3	
ENGR	1201	Intro to Engineering	2	
CHEM	1312	General Chemistry II	3	
CHEM	1112	General Chemistry II Lab	1	
			<b>Credit hours</b>	<b>15</b>
<b>Sophomore Year Second Semester</b>				
		Creative Arts (Core, 3 hrs.)	3	
BIOL	1307	General Biology II	3	
BIOL	1107	General Biology II Lab	1	
PHYS	1303	Astronomy	3	
PHYS	1301	College Physics I	3	
PHYS	1101	College Physics I Lab	1	
EDUT	1170	Inquiry Approaches to Teaching	1	
			<b>Credit hours</b>	<b>15</b>
<b>Junior Year First Semester (Phase I)</b>				
		Social and Behavioral Sciences (Core, 3 hrs.)	3	
EDUT	2170	Inquiry Based Lesson Design	1	
EDUT	3370	Knowing and Learning in Math and Science	3	
PHYS	1302	College Physics II	3	
PHYS	1102	College Physics II Lab	1	
GEOL	3310	Physical Geology and Astronomy	3	
			<b>Credit hours</b>	<b>14</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
CHEM	3342	Organic Chemistry	3
CHEM	3142	Organic Chemistry Lab	1
MATH	2413	Calculus I	4
MATH	2113	Calculus I Lab	1
<b>Credit hours</b>			<b>15</b>

Students must first pass the Physical Science 6-12 content TExES exam. The TExES exam must be passed prior to Phase III.

Course Prefix	Course Number	Course Title	Credit Hours	Notes
<b>Senior Year First Semester</b>				
CHEM	3360	Research Methods	3	
EDUC	4378	Methodology of Teaching ESL	3	
EDUT	4370	Project-Based Instruction	3	
CHEM	3344	Organic Chemistry II	3	
CHEM	3145	Organic Chemistry II Lab	1	
GEOL	3314	Oceanography and Meteorology	3	
<b>Credit hours</b>			<b>16</b>	
<b>Senior Year Second Semester</b>				
EDFB	4338	Literacy in Content Areas	3	
EDUC	4314	Teaching Science in the Middle and High School	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 Physical Science 6-12 Certificate**

- TExES Physical Science 6-12 (Content)
- TExES 160 Pedagogy & Professional Responsibilities (PPR) EC-12

#### **ACADEMIC ADVISOR**

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