

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
Freshman Year First Semester				
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	
			Credit hours	16
Freshman Year Second Semester				
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	
			Credit hours	16
Sophomore Year First Semester				
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	
			Credit hours	16
Sophomore Year Second Semester				
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	
			Credit hours	14
Junior Year First Semester (Phase I)				
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	
			Credit hours	15
Students must be admitted into the School of Education prior to Phase II.				
Junior Year Second Semester (Phase II)				
EDUT	3371	Classroom Interactions	3	
CHEM	3370	Perspectives on Science and Mathematics	3	

EDUT	4370	Project-Based Instruction	3
BIOL	4305	Aquatic Biology	3
BIOL	4105	Aquatic Biology Lab	1
BIOL	1340	Genetics and Society	3
Credit hours			16
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
Senior Year First Semester				
		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	
Credit hours			14	
Senior Year Second Semester				
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	
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 Science 4-8 Certificate

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

ACADEMIC ADVISOR

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