



Bachelor of Science in Education, Science 4-8

Recommended 4 Year Course Sequence

Name:	ID Number:		
Course Information	Credit Hours	Term/Year	Grade
Freshman Year First Semester (Foundational Phase)			
ENGL 1301 - College Composition I (Communication CORE)	3	0	0
MATH 1342 - Statistics I (Mathematics CORE)	3	0	0
HIST 1301 - United States History I (History CORE)	3	0	0
BIOL 1306 - General Biology I (Life & Physical Sciences CORE)	3	0	0
BIOL 1106 - General Biology I Lab	1	0	0
CMST 1315 - Introduction to Public Speaking (Communication CORE)	3	0	0
Credit hours	16		
Freshman Year Second Semester (Foundational Phase)			
ENGL 1302 - College Composition II (Human Expression CORE)	3	0	0
MATH 1343 - Statistics II OR MATH 1314 - College Algebra	3	0	0
HIST 1302 - United States History II (History CORE)	3	0	0
BIOL 1307 - General Biology II	3	0	0
BIOL 1107 - General Biology II Lab	1	0	0
POLS 2305 - Introductory American Government (Government CORE)	3	0	0
Credit hours	16		
Sophomore Year First Semester (Foundational Phase)			
ENGL Language, Philosophy, and Culture (CORE)	3	0	0
Creative Arts CORE	3	0	0
POLS 2306 - Introductory Texas Politics (Government CORE)	3	0	0
MATH 2312 - Pre Calculus (STEM CORE)	3	0	0
CHEM 1311 - General Chemistry I (Life & Physical Sciences CORE)	3	0	0
CHEM 1111 - General Chemistry I Lab	1	0	0
Credit hours	16		
Sophomore Year Second Semester (Foundational Phase)			
EDUT 1170 - Inquiry Approaches to Teaching	1	0	0
EDUT 2170 - Inquiry Based Lesson Design	1	0	0
PHYS 1303- Introduction to Astronomy	3	0	0
CHEM 1312 - General Chemistry II	3	0	0
CHEM 1112 - General Chemistry II Lab	1	0	0
Social & Behavioral Science CORE	3	0	0
BIOL 3336 - Ecology	3	0	0
BIOL 3137 - Ecology Lab	1	0	0
Credit hours	16		
Junior Year First Semester (Phase I)			
PHYS 1301 - College Physics I	3	0	0
PHYS 1101 - College Physics I Lab	1	0	0
EDUT 3370 - Knowing & Learning in Math & Science (Fall Only)	3	FA	0
GEOL 3310 - Physical Geology and Astronomy	3	0	0
EDUC 4383 - Science Curriculum in the Elementary Classroom	3	0	0
Credit hours	13		

Students must be admitted into the School of Education prior to Phase II.

Junior Year Second Semester (Phase II)

CHEM 3360 - Research Methods or Approved Elective	3	Sp	0
GEOL 3314 - Oceanography & Meteorology	3	0	0
EDUT 3371 - Classroom Interactions (Spring Only)	3	Sp	0
BIOL 3339 - Plant Biology	3	0	0
BIOL 3139 - Plant Biology Lab	1	0	0
Credit hours	13		

Must Pass the TExES Exam 116 by August 15th for Spring Phase IV, or February 15th for Fall Phase IV

Senior Year First Semester (Phase III)

EDFB 4338 - Literacy in the Content Areas	3	0	0
EDUC 4314 - Teaching Science in the Middle & High School (Fall Only)	3	0	0
EDUT 4370 - Project Based Instruction	3	Fa	0
CHEM 3370 - Perspectives on Science and Mathematics or Approved Elective	3	Fa	0
EDUC 4378- Methods for Teaching Secondary ELLS	3	0	0
Credit hours	15		

Senior Year Second Semester (Phase IV)

EDUC 4940 - Clinical Teaching	9	0	0
EDUC 4357 - Clinical Teaching Seminar	3	0	0
EDSP 3351- Managing and Instructing Diverse Learners	3	0	0
Credit hours	15		

Total Credit Hours 120

Must pass the TExES 160 Exam for certification. May be taken during Phase III, Phase IV or after.