

BACHELOR OF SCIENCE IN ELEMENTARY EDUCATION

4–8 Science Concentration

Program Overview

The Bachelor of Science in Elementary Education with a 4–8 Science Concentration is designed principally for the preparation of science teachers in grades 4–8. This program is geared towards helping students understand the transitions that are made from childhood to early adolescence.

Career Opportunities for Elementary Education – 4–8 Science

Degree programs are designed for students preparing for careers as science teachers in grades 4–8 in public schools. Programs also provide foundation courses for students to pursue graduate study.

Objectives

The primary objectives of the program in Elementary Education, 4–8 Science Concentration, are to help students:

1. Acquire state-mandated competencies relative to childhood and early adolescent development.
2. Acquire pedagogical skills for teaching science in grades 4–8.
3. Prepare for graduate study.

Educator Preparation Program Requirements

To graduate from the Educator Preparation Program (EPP), students must meet the following requirements:

- Earn a minimum grade point average of 2.75.
- Pass all courses required in the major with a grade of C or better.
- Successfully complete student teaching by performing at a “B” or above grade level.

Candidates who graduate from the EPP meet the criteria for recommendation of a standard teaching certificate. Candidates must complete the application and pay associated fees to the Texas Education Agency (TEA). For the most up-to-date information on admission to the traditional EPP, teacher candidacy and advancement, and criteria for admission to and retention in student teaching (clinical teaching), see the Educator Preparation Program page on the Wiley University website.

GENERAL DEGREE REQUIREMENTS

For the Bachelor of Science degree in Elementary Education, 4–8 Science Concentration, the student must complete the following:

General Education Requirements	45 Semester Hours
Departmental Requirements	36 Semester Hours
Major Field of Study Requirements	<u>47</u> Semester Hours
Total Semester Hours	128

RECOMMENDED FOUR-YEAR CURRICULUM

Bachelor of Science in Elementary Education, 4–8 Science Concentration

Freshman Year

First Semester				Cr. Hrs.	Second Semester				Cr. Hrs.
BIOL	1411	General Biology I w/ Lab		4	ENGL	1302	English Composition II		3
ENGL	1301	English Composition I		3	HIST	1302	US History II		3
GEES	1100	Academic Success Seminar – PF		1	GEES	1200	Academic Success Seminar		2
MATH	1350	Precalculus I (or higher)		3	HIST	2300	African American Studies		3
PHED	1110	Fund. of Health & Fitness I		1	EDUC	2310	Introduction to Teaching		3
HIST	1301	US History I		3	BIOL	1422	General Biology II w/ Lab		4
RELI	1301	Survey of Religion		3	GEEP	1002	General Educ Enrich Program		0
GEEP	1001	General Educ Enrich Program		0					
				18					18

Sophomore Year

First Semester				Cr. Hrs.	Second Semester				Cr. Hrs.
PHYS	2401	Physics I w/ Lab		4	SPAN	2302	Elementary Spanish II		3
PHED	1111	Fund. of Health & Fitness II		1	BIOL	2451	Ecology w/ Lab		4
ENGL	2311/2350	World Literature I or Modern College Grammar		3	EDUC	3322	Human Growth & Development		3
SPAN	2301	Elementary Spanish I		3	POLS	2311	American Politics		3
HUMA	2300	Humanities		3	EDUC	3382	Exceptional Learners		3
SPCH	2300	Speech Communication		3	GEEP	2002	General Educ Enrich Program		0
GEEP	2001	General Educ Enrich Program		0	Application for EPP Admission (Earn 60 credits with 2.75 career GPA and 3.0 content GPA)				0
				17					16

Junior Year

First Semester				Cr. Hrs.	Second Semester				Cr. Hrs.
CHEM	2401	Chemistry I w/ Lab		4	EDUC	3338	Science Curriculum & Instruction		3
BIOL	3441	Anatomy & Physiology I w/ Lab		4	EDUC	3383	Multicultural & Diverse Learners		3
EDUC	3307	Classroom Management		3	CHEM	2402	Chemistry II w/ Lab		4
EDUC	3340	Curriculum Development		3	PHYS	2402	Physics II w/ Lab		4
EDUC	3313	Educational Psychology		3	EDUC	4306	TEExES Prep		3
GEEP	3001	General Educ Enrich Program		0	GEEP	3002	General Educ Enrich Program		0
TEExES Practice Exam (PPR and Content)				0	TEExES Practice Exam (PPR and Content)				0
				17					17

Senior Year

First Semester				Cr. Hrs.	Second Semester			Cr. Hrs.
EDUC	4359	Reading in the Content Areas	3	EDUC	4358	Educator Communication & Prof. Development	3	
BIOL	3491	Environmental Biology	4	EDUC	4612	Clinical Experience*	9	
EDUC	4310	Education Seminar	3	*Complete 560 clock hours with grade “B” or better			0	
EDUC	3377	Technology in Teaching	3	Teaching Certificate and Career Placement			0	
GEEP	4001	General Educ Enrich Program	0					
Pass both state exams before student teaching			0					
			13					

GEEP (General Education Enrichment Program) carries 0 credit hours but is required.

General Education Requirements (45 hours)

			Semester Hours
BIOL	1411	General Biology I with Lab	4
ENGL	1301	English Composition I	3
ENGL	1302	English Composition II	3
ENGL	2311/2350	World Literature I OR Modern College Grammar	3
GESS	1100	Academic Success Seminar – Personal Finance	1
GESS	1200	Academic Success Seminar	2
HIST	1301	US History I	3
HIST	1302	US History II	3
HIST	2300	Introduction to African American Studies	3
HUMA	2300	Humanities	3
MATH	1350	Precalculus I OR higher-level math course (MATH prefix)	3
PHED	1110	Fundamentals of Health and Fitness I	1
PHED	1111	Fundamentals of Health and Fitness II	1
RELI	1301	Survey of Religion and Philosophy	3
SPAN	2301	Elementary Spanish I	3
SPAN	2302	Elementary Spanish II	3
SPCH	2300	Speech Communication	3
Total Semester Hours			45

Departmental Requirements (36 hours)

			Semester Hours
EDUC	2310	Introduction to Teaching	3
EDUC	3307	Classroom Management	3
EDUC	3313	Educational Psychology	3
EDUC	3322	Human Growth and Development	3
EDUC	3340	Curriculum Development and Planning	3
EDUC	3377	Technology in Teaching	3
EDUC	3382	Exceptional Learners	3
EDUC	3383	Multicultural and Diverse Learners	3
EDUC	4306	TExES Prep	3
EDUC	4310	Education Seminar	3
EDUC	4358	Educator Communication and Professional Development	3
POLS	2311	American Politics	3
Total Semester Hours			36

Courses Required to Satisfy the Major Field of Study Requirements (47 hours)

			Semester Hours
BIOL	1422	General Biology II with Lab	4
BIOL	2451	Ecology with Lab	4
BIOL	3441	Anatomy and Physiology I with Lab	4
BIOL	3491	Environmental Biology	4
CHEM	2401	Chemistry I with Lab	4
CHEM	2402	Chemistry II with Lab	4
EDUC	3338	Science Curriculum and Instruction	3
EDUC	4359	Reading in the Content Areas	3
EDUC	4612	Clinical Experience	9
PHYS	2401	Physics I with Lab	4
PHYS	2402	Physics II with Lab	4
Total Semester Hours			47