

ACADEMIC MAP

ELEMENTARY EDUCATION - EC-6 EARLY CHILDHOOD DELIVERY WITH STEM FOCUS

Bachelor of Science

START HERE



1

SEMESTER 1 - FALL	CREDITS	COMPLETED
UNIV 1101 UNIVERSITY SEMINAR I	1	✓
ENGL 1301 WRITING AND RHETORIC I	3	
BIOL 1308 SCIENCE FOR LIFE I (NON-MAJORS BIOLOGY)	3	
ARTS 1301 ART AND SOCIETY	3	
PSYC 2301 GENERAL PSYCHOLOGY	3	
MATH 1314 COLLEGE ALGEBRA	3	
TOTAL CREDITS: 16		

2

SEMESTER 2 - SPRING	CREDITS	COMPLETED
UNIV 1102 UNIVERSITY SEMINAR II	1	
COMM 1311 FOUNDATION OF COMMUNICATION	3	
POLS 2305 U.S. GOVERNMENT AND POLITICS	3	
HIST 1301 OR HIST 1302 U.S. HISTORY TO 1865 OR U.S. HISTORY SINCE 1865	3	
ENGL 2332 OR ENGL 2333 OR ENGL 2316 LITERATURE OF THE WESTERN WORLD: FROM THE CLASSICS TO THE RENAISSANCE OR LITERATURE OF THE WESTERN WORLD: FROM THE ENLIGHTENMENT TO THE PRESENT OR LITERATURE AND CULTURE	3	
MUSI 1306 OR MUSI 1307 UNDERSTANDING AND ENJOYING MUSIC OR ELEMENTS OF MUSICAL STYLE	3	
TOTAL CREDITS: 16		

YEAR 1

3

SEMESTER 3 - FALL	CREDITS	COMPLETED
ESCI 1401 ENVIRONMENTAL SCIENCE I: INTRO TO ENVIRONMENTAL SCIENCE	4	
HIST 1301 OR HIST 1302 U.S. HISTORY TO 1865 OR U.S. HISTORY SINCE 1865	3	
SMTE 1350 FUNDAMENTALS OF MATHEMATICS I	3	
POLS 2306 STATE AND LOCAL GOVERNMENT	3	
ECED 3324 CHILD DEVELOPMENT	3	
TOTAL CREDITS: 16		

4

SEMESTER 4 - SPRING	CREDITS	COMPLETED
READ 3310 PRINCIPLES AND PRACTICES OF EARLY READING INSTRUCTION	3	
HIST 2301 TEXAS HISTORY	3	
ECED 3380 DEVELOPMENTALLY APPROPRIATE PRACTICE IN EARLY CHILDHOOD EDUCATION	4	
SMTE 1351 FUNDAMENTALS OF MATHEMATICS II	3	
SMTE 3315 FOUNDATIONAL APPROACHES TO THE PHYSICAL SCIENCES	3	
SMTE 3315 FOUNDATIONAL APPROACHES TO THE PHYSICAL SCIENCES	3	
TOTAL CREDITS: 18		

YEAR 2

S2

SUMMER - YEAR 3	CREDITS	COMPLETED
ECED 4330 HEALTH, NUTRITION, AND LOCOMOTOR CONCEPTS FOR THE YOUNG CHILD	3	
ECED 4340 COMMUNICATION AND AESTHETICS	3	
TOTAL CREDITS: 6		

SUMMER

5

SEMESTER 5 - FALL	CREDITS	COMPLETED
EDCI 4302 STEM SCIENCE EC-6	3	
READ 3320 PRINCIPLES AND PRACTICES OF READING INSTRUCTION	3	
ECED 4345 EC-6 ASSESSMENT AND EVALUATION	3	
SMTE 3316 FOUNDATIONAL APPROACHES TO THE LIFE SCIENCES	3	
IDET 4300 STEM TECHNOLOGY	3	
TOTAL CREDITS: 15		

6

SEMESTER 6 - SPRING	CREDITS	COMPLETED
EDCI 4301 STEM MATHEMATICS	3	
COORDINATOR APPROVED ELECTIVE	3	
ECED 4350 EC-6 SOCIAL STUDIES CURRICULUM	3	
EDUC 3311 SCHOOL AND SOCIETY	3	
TOTAL CREDITS: 12		

YEAR 3

7

SEMESTER 7 - FALL	CREDITS	COMPLETED
EDUC 4311 CLASSROOM MANAGEMENT	3	
EDUC 4605 PLANNING, TEACHING, ASSESSMENT AND TECHNOLOGY	6	
IDET 3100 EDUCATIONAL TECHNOLOGY FOR PRESERVICE TEACHERS IN SCHOOLS	1	
READ 3351 READING ASSESSMENT AND INTERVENTION	3	
TOTAL CREDITS: 13		

8

SEMESTER 7 - FALL	CREDITS	COMPLETED
SPED 4310 STUDENTS WITH EXCEPTIONALITIES	3	
EDUC 4995 CLINICAL TEACHING	9	
TOTAL CREDITS: 12		

YEAR 4

124 CREDITS | FINISHED!



This is not an official degree plan. It is a guideline for planning your courses. To access a copy of this academic map please visit tamucc.edu/academics/planning/academic-advising/

CAREER MAP

ELEMENTARY EDUCATION - EC-6 EARLY CHILDHOOD DELIVERY WITH STEM FOCUS

Bachelor of Science



A minimum of 120 semester hours is required for the BS degree. Degree requirements include University Core Curriculum, the interdisciplinary major, and the professional development sequence. Certification in EC- 6 core subjects, EC- 6 core subjects-bilingual, 4-8 mathematics, EC-6 core subjects early childhood and STEM focus or reading, and EC-12 special education is available with the bachelor of science degree.

CONTACT INFORMATION

Career Counselor:

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Department Contact:

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INTERNSHIP INFORMATION

Early in their program, students are required to spend a significant portion of their professional development courses observing and working with experienced teachers in the local school districts. Subsequent course work is taught at the school sites, with the students utilizing the setting to become actively involved in applying the concepts learned in the lectures. The field-based program culminates in the clinical teaching experience, wherein the student is assigned on a one-to-one basis with an experienced master teacher and moves from observation, through cooperative teaching, to full responsibility for a class.

CAREER OPTIONS

- **Certified Teacher with many options for specialization: EC- 6 Core Subjects with a Reading or STEM Specialization, EC- 6 Core Subjects-Bilingual, 4-8 Mathematics, EC-12 Special Education teacher certification, EC 7-12 .**
- **Bilingual Teacher**
- **Elementary Teacher**
- **Special Education Teacher**
- **Middle School Math or Science Teacher**

ADDITIONAL PROGRAM REQUIREMENTS

The Certification Office assists students in navigating the Texas Teacher Cert. process (Faculty Center 233)

STUDENT ORGANIZATIONS

- **Student Reading Council**
- **Student Council of Math and Science Teachers**

SKILLS/ATTRIBUTES

- **Critical thinking/Problem Solving**
- **Professionalism/Work Ethic**
- **Oral/Written Communication**
- **Digital Technology**

ADDITIONAL SOURCES OF INFORMATION

Occupational Outlook Handbook- www.bls.gov/ooh/, Texas Education Association, National Education Association, Association of American Educators, National Council of Teachers of English, National Association for the Education of Young Children, Texas Association of Health, Physical Education, Recreation and Dance, American Federation of Teachers