

ACADEMIC MAP

ELEMENTARY EDUCATION - 4-8 MATHEMATICS

Bachelor of Science



START HERE

1

SEMESTER 1 - FALL	CREDITS	COMPLETED
UNIV 1101 UNIVERSITY SEMINAR I	1	✓
ENGL 1301 OR ENGL 1302 WRITING AND RHETORIC I OR WRITING AND RHETORIC II	3	
BIOL 1406 BIOLOGY I	4	
ARTS 1301 ART AND SOCIETY	3	
PSYC 2301 GENERAL PSYCHOLOGY	3	
SMTE 1350 FUNDAMENTALS OF MATHEMATICS I	3	

TOTAL CREDITS: 17

2

SEMESTER 2 - SPRING	CREDITS	COMPLETED
UNIV 1102 UNIVERSITY SEMINAR II	1	
COMM 1311 FOUNDATION OF COMMUNICATION	3	
MATH 1316 OR MATH 2312 TRIGONOMETRY OR PRECALCULUS	3	
HIST 1301 OR HIST 1302 U.S. HISTORY TO 1865 OR U.S. HISTORY SINCE 1865	3	
CHEM 1411 GENERAL CHEMISTRY I	4	
SMTE 1351 FUNDAMENTALS OF MATHEMATICS II	3	

TOTAL CREDITS: 17

YEAR 1

3

SEMESTER 3 - FALL	CREDITS	COMPLETED
UNIVERSITY CORE CURRICULUM	3	
HIST 2301 OR HIST 1301 OR HIST 1302 TEXAS HISTORY OR U.S. HISTORY TO 1865 OR U.S. HISTORY SINCE 1865	3	
ENGL 2316 OR ENGL 2332 OR ENGL 2333 LITERATURE AND CULTURE OR LITERATURE OF THE WESTERN WORLD: FROM THE CLASSICS TO THE RENAISSANCE OR LITERATURE OF THE WESTERN WORLD: FROM THE ENLIGHTENMENT TO THE PRESENT	3	
POLS 2305 U.S. GOVERNMENT AND POLITICS	3	
MATH 1442 STATISTICS FOR LIFE	4	

TOTAL CREDITS: 16

4

SEMESTER 4 - SPRING	CREDITS	COMPLETED
UNIVERSITY CORE CURRICULUM	3	
POLS 2306 STATE AND LOCAL GOVERNMENT	3	
READ 3320 PRINCIPLES AND PRACTICES OF READING INSTRUCTION	3	
MATH 2305 DISCRETE MATHEMATICS I	3	
MATH 2413 CALCULUS I	4	

TOTAL CREDITS: 16

YEAR 2

5

SEMESTER 5 - FALL	CREDITS	COMPLETED
MATH 3312 COLLEGE GEOMETRY	3	
BIEM 4357 METHODS OF TEACHING ENGLISH AS A SECOND LANGUAGE	3	
EDUC 3311 SCHOOL AND SOCIETY	3	
SPED 4310 STUDENTS WITH EXCEPTIONALITIES	3	
SMTE 3315 FOUNDATIONAL APPROACHES TO THE PHYSICAL SCIENCES	3	

TOTAL CREDITS: 15

6

SEMESTER 6 - SPRING	CREDITS	COMPLETED
SMTE 4382 BASIC MATHEMATICS FROM AN ADVANCED VIEWPOINT	3	
EDCI 3350 INVESTIGATING STUDENT LEARNING IN MIDDLE LEVEL MATHEMATICS (3)	3	
READ 3352 CONTENT AREA READING FOR ELEMENTARY STUDENTS	3	
SMTE 3316 FOUNDATIONAL APPROACHES TO THE LIFE SCIENCES	3	
EDCI 4301 OR SMTE 3352 STEM MATHEMATICS OR FUNDAMENTALS OF MATHEMATICS III	3	

TOTAL CREDITS: 15

YEAR 3

7

SEMESTER 7 - FALL	CREDITS	COMPLETED
EDUC 4311 CLASSROOM MANAGEMENT	3	
EDUC 4605 PLANNING, TEACHING, ASSESSMENT AND TECHNOLOGY	6	
EDCI 4350 ASSESSMENT IN MIDDLE LEVEL MATHEMATICS	3	
IDET 3100 EDUCATIONAL TECHNOLOGY FOR PRESERVICE TEACHERS IN SCHOOLS	1	

TOTAL CREDITS: 13

8

SEMESTER 7 - FALL	CREDITS	COMPLETED
EDUC 4321 INSTRUCTIONAL DESIGN FOR SPECIAL POPULATIONS	3	
EDUC 4995 CLINICAL TEACHING	9	

TOTAL CREDITS: 12

YEAR 4

121 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 - 4-8 MATHEMATICS

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:

Stefani Schomaker, PhD, LPC
UC 304 | 361.825.2628
stefani.schomaker@tamucc.edu

Internship Coordinator:

Asst. Clinical Professor Michele Staples
ECDC 219F | 361.825.6033
michele.staples@tamucc.edu

Department Contact:

Susane Horn
ECDC 242A | 361.825.2669
Susane.Horn@tamucc.edu

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

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

SKILLS/ATTRIBUTES

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