# ACADEMIC MAP

## Grades 7-12 Mathematics Education Teacher Certification, Bachelor of Science

**TEXAS A&M UNIVERSITY CORPUS CHRISTI | FINISH IN 4**

### First Year

**Fall**

| | | Hours |
|---|---|---|
| UNIV 1101 | University Seminar I | 1 |
| MATH 2413 | Calculus I | 4 |
| POLS 2305 | U.S. Government and Politics | 3 |
| ENGL 1301 | Writing and Rhetoric I | 3 |
| EDUC 1354 | Child Growth and Development | 3 |
| Creative Arts Core Requirement | | 3 |
| | **Hours** | **17** |

**Spring**

| | | |
|---|---|---|
| UNIV 1102 | University Seminar II | 1 |
| MATH 2414 | Calculus II | 4 |
| ENGL 1302 or COMM 1311 | Writing and Rhetoric II or Foundation of Communication | 3 |
| POLS 2306 | State and Local Government | 3 |
| American History Core Requirement | | 3 |
| Language, Philosophy & Culture Core Requirement | | 3 |
| | **Hours** | **17** |

### Second Year

**Fall**

| | | |
|---|---|---|
| COSC 1330 | Programming for Scientists, Engineers, and Mathematicians | 3 |
| MATH 2415 | Calculus III | 4 |
| PHYS 2425 | University Physics I | 4 |
| MATH 3313 | Foundations of Number Theory | 3 |
| EDUC 2211 | Foundations of Education | 2 |
| | **Hours** | **16** |

**Spring**

| | | |
|---|---|---|
| PHYS 2426 | University Physics II | 4 |
| MATH 3315 | Differential Equations | 3 |
| MATH 3314 | Foundations of Real Numbers | 3 |
| American History Core Requirement | | 3 |
| SPED 3310 | Individual Differences in Schools and Communities | 3 |
| | **Hours** | **16** |

### Third Year

**Fall**

| | | |
|---|---|---|
| MATH 3311 | Linear Algebra | 3 |
| MATH 3312 | College Geometry | 3 |
| Math Upper Elective | | 3 |
| READ 3353 or READ 3352 | Content Area Reading for Secondary Students or Content Area Reading for Elementary Students | 3 |
| EDUC 3211 | Culturally and Linguistically Responsive Teaching | 2 |
| Elective (to meet 120 hrs) | | 3 |
| | **Hours** | **17** |

### Fourth Year

**Fall**

| | | |
|---|---|---|
| EDUC 4305 | Seminar I | 3 |
| IDET 3210 | Design and Development of Technology-Integrated Learning Environments | 2 |
| Elective (to meet 120 hrs) | | 3 |
| Elective (to meet 120 hrs) | | 3 |
| Elective (to meet 120 hrs) | | 3 |
| | **Hours** | **14** |

**Spring**

| | | |
|---|---|---|
| EDUC 4694 | Clinical Teaching | 6 |
| EDUC 4395 | Seminar II | 3 |
| | **Hours** | **9** |
| | **Total Hours** | **121** |

# CAREER MAP

## Grades 7-12 Mathematics Education – Mathematics Teacher Certificate
*Bachelor of Science*

**TEXAS A&M UNIVERSITY CORPUS CHRISTI** | **FINISH IN 4**

This program prepares students for Secondary Mathematics Teaching, leading to teacher certification. The mathematics program provides its majors and graduate students with preparation for careers in education, science, and commerce, as well as providing a solid foundation for further study in mathematics. In support of the graduate program, the mathematics faculty pursues scholarship in mathematics, applications of mathematics, and instruction in mathematics. Finally, the mathematics program serves the community by providing its expertise to local schools, industry, and businesses.

## CONTACT INFORMATION

**Career Counselor:**
Career and Professional Development Center
UC 304 | 361.825.2628
career.center@tamucc.edu

**Internship Coordinator:**
Alexey Sadovski
CI 338 | 361.825.2477
alexey.sadovski@tamucc.edu

**Department Contact:**
Department of Mathematics & Statistics
CI 301 | 361.825.3928
math@tamucc.edu

## SKILLS/ATTRIBUTES

- Critical Thinking/Problem Solving
- Teamwork/Collaboration
- Professionalism/Work Ethic
- Oral / Written Communication
- Leadership
- Digital Technology
- Career Management
- Global/Multicultural Fluency
- Analytical
- Logical Thinking
- Math

## STUDENT ORGANIZATIONS

- Math Club
- Student Council of Math and Science Teachers

## ADDITIONAL SOURCES OF INFORMATION

1. American Mathematical Society
2. Mathematical Association of America
3. National Council for Teachers in Mathematics
4. Society for Industrial and Applied Mathematics

## CAREER OPTIONS

- Secondary Math Teacher (middle & high schools)
- Bookkeeper
- Statistician
- Database Administrator
- Logistician
- Accountant
- Actuary
- Computer Systems Analyst