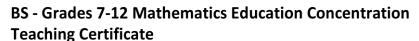
ACADEMIC MAP

Mathematics





First Year			Third Year		
Fall		Hours	Fall		
UNIV 1101	University Seminar I	1	MATH 3311	Linear Algebra	3
ENGL 1301	Writing and Rhetoric I	3	MATH 3312	College Geometry	3
MATH 2413	Calculus I	4	Math Upper Elective		3
POLS 2305	U.S. Government and Politics	3	READ 3353	Content Area Reading for Secondary	3
American History Core Requirement		3	Students Elective (to meet 120 hrs)		
	Hours	14	Elective (to me	·	3
Spring				Hours	15
UNIV 1102	University Seminar II	1	Spring		
ENGL 1302	Writing and Rhetoric II	3	SMTE 4370	Mathematics Education Topics I	3
or COMM 1311	or Foundation of Communication		MATH 3342	Applied Probability and Statistics	3
MATH 2414	Calculus II	4	EDUC 3311	School and Society	3
American History	Core Requirement	3	Math Upper El	ective	3
POLS 2306	State and Local Government	3	Social and Behavioral Sciences Core Requirement		3
	Hours	14		Hours	15
Second Year			Fourth Year		
Fall			Fall		
COSC 1330	Programming for Scientists, Engineers, and Mathematicians	3	EDUC 4605	Planning, Teaching, Assessment and Technology	6
MATH 2415	Calculus III	4	EDUC 4311	Classroom Management	3
PHYS 2425	University Physics I	4	Math Upper Elective		3
MATH 3313	Foundations of Number Theory	3	Math Upper Elective		3
Language, Philoso	ophy & Culture Core Requirement	3	Elective (to meet 120 hrs)		3
	Hours	17		Hours	18
Spring			Spring		
PHYS 2426	University Physics II	4	EDUC 4995	Clinical Teaching	9
MATH 3315	Differential Equations	3	EDUC 4321	Instructional Design for Special	3
MATH 3314	Foundations of Real Numbers	3		Populations	
PSYC 2301	General Psychology	3		Hours	12
Creative Arts Core Requirement		3		Total Hours	121
	Hours	16			



CAREER MAP

TEXAS A&M UNIVERSITY CORPUS CHRISTI

MATHEMATICS-GRADES 7-12 MATHEMATICS EDUCATION CONCENTRATION

Bachelor of Science

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. There are three tracks for the degree: Secondary Mathematics Teaching, leading to teacher certification; Applied/Industrial Mathematics, preparing students for employment; and General Mathematical Studies; preparing students for further studies in mathematics.

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

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			
Bookkeeper	Mathematician		
Database Administrator	Math Teacher		
• Logistician	• Accountant		
• Actuary	Computer Systems Analyst		

STUDENT ORGANIZATIONS

- Math Club
- Student Council of Math and Science Teachers

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