

SUGGESTED FOUR-YEAR SCHEDULE: 2018-19

— B.S. in Mathematics - Secondary Certification —



COLLEGE OF
**Science and
Engineering**
A&M-COMMERCE

First Year Fall Semester

*ENG 1301, College Reading & Writing	3
*MATH 2413, Calculus I	4
*PHYS 2425, University Physics I	4
*Literature, Philosophy, & Culture	3
*Creative Arts	3
Total Hours	17

First Year Spring Semester

*ENG 1302, Written Argument/Research	3
*Life & Physical Science	3
*Component Area (Signature Course)	3
MATH 2414, Calculus II	4
COSC 1436 & 1436L, Intro to Comp Sci & Prog	4
Total Hours	17

Second Year Fall Semester

*HIST 1301, US History to 1877	3
*PSCI 2301, Princ of US & TX Govt	3
MATH 2305 or 2318 or 2320	3
MATH 2415, Calculus III	4
COSC 1337, Programming Fundamentals II or COSC 2325, Machine Lang/Comp Org	3
Total Hours	16

Second Year Spring Semester

*HIST 1302, US History from 1865	3
*PSCI 2302, US/TX Govt; Insts & Pols	3
MATH 2305 or 2318 or 2320	3
MATH 332, Methods of Mathematical Proofs	3
MATH 372, Mathematical Structures & Apps	3
Total Hours	15

Third Year Fall Semester

MATH 460, Math for Secondary Teachers	3
MATH 402, Intro to Mathematical Probability	3
MATH 426, History of Mathematics	3
PSY 300, Lrng Processes & Development	3
SED 330, Roles & Responsibilities	3
Total Hours	15

Third Year Spring Semester

MATH 334, Intro to Abstract Algebra	3
MATH 403, Intro to Mathematical Statistics or	3
MATH 453, Essentials of Statistics	
MATH 437, Elementary Number Theory	3
SED 331, Instructional Design	3
Total Hours	12

Fourth Year Fall Semester

*Social & Behavioral Science	3
MATH 321, College Geometry	3
Math Elective (See Catalog)	3
Math Elective (See Catalog)	3
SED 332, Project Based Learning	3
Total Hours	15

Fourth Year Spring Semester

Student Teaching	
RDG 380, Comprehension & Vocab	3
SED 400, Pedagogy & Classrm Manage	3
SED 401, Tech Infused Curriculum & Assessm	3
SED 404, Secondary Teaching Practicum	3
SED 405, Secondary Residency in Teaching	3
Total Hours	15

Degree Total **122**

* This course should be used to satisfy the Core Curriculum Requirements

The suggested plan shown is subject to change. Please check the current Undergraduate Catalog (catalog.tamuc.edu) for required courses in your program.