Bachelor of Arts in Mathematics

2018-2019 Degree Plan

CORE CURRICULUM (See note below)	42 SCH	
	Grd	SCH
(010) COMMUNICATION		
ENGL 1301 Composition I		3
ENGL 2311 Technical Writing		3
(020) MATHEMATICS		
MATH 2313 Calculus I (or **MATH 2413**) (See Required Support Courses)		3
(030) LIFE and PHYSICAL SCIENCES		
PHYS 2325, CHEM 1311, or BIOL 1306 (See Required Support Courses)		3
PHYS 2326, CHEM 1312, or BIOL 1307 (See Required Support Courses)		3
(040) LANGUAGE, PHILOSOPHY AND CULTURE		
Lang/Phil/Culture		3
(050) CREATIVE ARTS		
Creative Arts		3
(060) AMERICAN HISTORY		
HIST 1301 American History to 1865		3
HIST 1302 American History since 1865		3
(070) GOVERNMENT/POLITICAL SCIENCE		
GOVT 2305 Federal Government		3
GOVT 2306 Texas Government		3
(080) SOCIAL & BEHAVIORAL SCIENCES		
Social & Behavioral Sciences		3
(090) COMPONENT AREA OPTION		
SPCH 1315 or SPCH 1318		3
Component Option Course from Approved List excluding MATH 13XX courses.		3

REQUIRED SUPPORT COURSES	16 SCH	
Must be one language; conversational language will not count	Grd	SCH
Foreign Language I		3
Foreign Language II second part of Foreign Language I		3
MATH 2113 Calculus I Lab: to be taken concurrently with Math 2313 (If MATH 2413 taken, 3hrs satisfy GEC requirement and 1-hr for Required Support Course).		1
CSCI 1315 or CSCI 1336 Programming Fundamentals		3
PHYS 2125, CHEM 1111, or BIOL 1106 (Lab: to be taken concurrently with PHYS 2325, CHEM 1311, or BIOL 1306)		1
PHYS 2126, CHEM 1112, or BIOL 1107 (Lab: to be taken concurrently with PHYS 2326, CHEM 1312, or BIOL 1307)		1
UNIV 1101 Jaguar Tracks 1		1
UNIV 2101 Jaguar Tracks 2		1
STEM 3101 Jaguar Tracks 3		1
STEM 4101 Jaguar Tracks 4		1

MAJOR (REQUIRED) COURSES 2.5 overall GPA for major	34-35 SCH	
	Grd	SCH
MATH 2314 Calculus II and **MATH 2114** Calculus II Lab (or MATH 2414)		4
MATH 3320 Differential Equations		3
MATH 3325 Mathematical Proofs		3
MATH 3370 Discrete Mathematics		3
MATH 3340 Linear Algebra OR **MATH 4341** Linear Algebra & Matrix Theory		3
MATH 3370 Discrete Mathematics		3
MATH 3415 Calculus III OR **MATH 4370** Vector Analysis		3-4
MATH 4303 Statistical Methods		3
MATH 4321 Real Variables		3
MATH 4340 Modern Algebra		3
MATH ADV elective		3
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MINOR 2.0 overall GPA	18 SCH	
--A minimum of 6 upper-division credit hours required. Actual number of hours depends on the minor selected		
	Grd	SCH

ELECTIVES	SCH	
--As needed to complete 120 credit hours required		
	Grd	SCH

120 CREDIT HOURS REQUIRED FOR DEGREE
36 UPPER-DIVISION CREDIT HOURS REQUIRED FOR DEGREE
(30 ADVANCED HOURS FROM A&M-SA FOR RESIDENCY)

COMPLETION OF THIS DEGREE PLAN REQUIRES THAT STUDENTS HAVE AN OVERALL 2.5 GPA IN UPPER LEVEL COURSES WITH AT MOST TWO Ds.