Bachelor of Science 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 University Physics I (See Required Support Courses)		**3**
PHYS 2326 University Physics II (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	10 SCH	
	Grd	**SCH**
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).		
PHYS 2125 University Physics I (Lab: to be taken concurrently with PHYS 2325)		**1**
PHYS 2126 University Physics I (Lab: to be taken concurrently with PHYS 2326)		**1**
CSCI 1315 or CSCI 1336 Programming Fundamentals		**1**
UNIV 1101 Jaguar Tracks 1 *see transfer guide for non-first-year		**1**
UNIV 2101 Jaguar Tracks 2 *see transfer guide for non-first-year		**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 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 (REQUIRED) (Computer Science or Biology) 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 ADVANCED 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.