BACHELOR OF SCIENCE IN MATHEMATICS

2019-2020 Degree Plan

CORE CURRICULUM (See note below)	42 SCH	
	Grd	SCH
(010) COMMUNICATION		
ENGL 1301 Composition I		3
ENGL 1302 Composition II **OR ENGL 2311** Technical Writing		3
(020) MATHEMATICS		
MATH 2313 Calculus I		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		
American History		3
American History		3
(070) GOVERNMENT/POLITICAL SCIENCE		
Government/Political Science		3
Government/Political Science		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**
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 1336 Programming Fundamentals		3
CSCI 1136 Programming Fundamentals Lab		1
UNIV 1101 Jaguar Tracks 1		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	35-36 SCH	
	Grd	**SCH**
MATH 2113 Calculus I Lab		1
MATH 2314 Calculus II and **MATH 2114** Calculus II Lab		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
MATH ADV Elective		3
MINOR (REQUIRED) **(Computer Science, Biology, or Mathematical 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		
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.