

BACHELOR OF ARTS IN MATHEMATICS

2019-2020 Degree Plan

CORE CURRICULUM (See note below)		42 SCH		MAJOR (REQUIRED) COURSES		35-36 SCH	
		Grd	SCH	2.5 overall GPA for major		Grd	SCH
(010) COMMUNICATION							
ENGL 1301	Composition I		3	MATH 2113	Calculus I Lab		1
ENGL 1302	Composition II OR ENGL 2311 Technical Writing		3	MATH 2314	Calculus II and MATH 2114 Calculus II Lab		4
(020) MATHEMATICS							
MATH 2313	Calculus I		3	MATH 3320	Differential Equations		3
(030) LIFE and PHYSICAL SCIENCES							
PHYS 2325, CHEM 1311, or BIOL 1306	(See Required Support Courses)		3	MATH 3325	Mathematical Proofs		3
PHYS 2326, CHEM 1312, or BIOL 1307	(See Required Support Courses)		3	MATH 3370	Discrete Mathematics		3
(040) LANGUAGE, PHILOSOPHY AND CULTURE							
Lang/Phil/Culture			3	MATH 3340	Linear Algebra OR MATH 4341 Linear Algebra & Matrix Theory		3
(050) CREATIVE ARTS							
Creative Arts			3	MATH 3415	Calculus III OR MATH 4370 Vector Analysis		3-4
(060) AMERICAN HISTORY							
American History			3	MATH 4303	Statistical Methods		3
American History			3	MATH 4321	Real Variables		3
(070) GOVERNMENT/POLITICAL SCIENCE							
Government/Political Science			3	MATH 4340	Modern Algebra		3
Government/Political Science			3	MATH ADV	elective		3
(080) SOCIAL & BEHAVIORAL SCIENCES							
Social & Behavioral Sciences			3	MATH ADV	elective		3
(090) COMPONENT AREA OPTION							
SPCH 1315 or SPCH 1318			3	MINOR			
Component Option Course from Approved List excluding MATH 13XX courses.			3	2.0 overall GPA		18 SCH	
REQUIRED SUPPORT COURSES				16 SCH			
Must be one language; conversational language will not count				Grd	SCH		
Foreign Language I			3	--A minimum of 6 upper-division credit hours required. Actual number of hours depends on the minor selected			
Foreign Language II	second part of Foreign Language I		3			Grd	SCH
CSCI 1336	Programming Fundamentals		3				
CSCI 1136	Programming Fundamentals Lab		1				
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	ELECTIVES			
UNIV 2101	Jaguar Tracks 2		1	As needed to complete 120 credit hours required		Grd	SCH
STEM 3101	Jaguar Tracks 3		1				
STEM 4101	Jaguar Tracks 4		1				

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.