

BACHELOR OF SCIENCE IN MATHEMATICS WITH TEACHER CERTIFICATION

2019-2020 Degree Plan

CORE CURRICULUM	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
MATH 2312 Precalculus OR Course from List not previously used to satisfy a core component area requirement.		3
REQUIRED SUPPORT COURSES		
	10 SCH	
	Grd	SCH
PHYS 2125 University Physics I Lab (Must be taken concurrently with PHYS 2325)		1
PHYS 2126 University Physics I Lab (Must 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		1
STEM 3101 or EDCI 3101 Jaguar Tracks 3		1
STEM 4101 or EDCI 4101 Jaguar Tracks 4		1

MAJOR (REQUIRED) COURSES		35-36 SCH	
2.75 overall GPA for major			
'C' or higher required in MATH courses		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 3360 Modern Geometry			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 4350 Probability			3
TEACHER CERTIFICATION REQUIRED COURSES		29 SCH	
2.75 overall GPA			
'C' or higher required in EDXX courses		Grd	SCH
EDCI 3303 Knowledge of Pedag & Assessment			3
EDSE 3345 Survey of Exceptional Children			3
EDCI 4311 Tch & Pedagogy for Mid/Sec Tchr			3
EDCI 3358 Classroom Management			3
EDCI 4309 Legal & Ethical Issues			3
EDCI 4357 Math Methods-Middle & Secondary			3
EDRG 4325 Disciplinary & Content Area Lit.			3
EDFR 3110 Field Lab Residency I			1
EDFR 3120 Field Lab Residency II			1
EDFR 4623 Secondary Clinical Teaching **Unpaid semester at A&M-SA**			6
ELECTIVES			
As needed to complete 120 credit hours required			
<i>Recommended courses for teacher certification</i>		Grd	SCH
EDRG 3389 Teach Reading in Inter and Mid School			3

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 Requires Admission to the Educator Preparation Program (EPP)*****

Students who do not meet teacher preparation and certification requirements may be required to switch to a non-certification degree program.

Completion of 45 hours; ENGL 1301, ENGL 2311, at least MATH 1314, an additional math course, HIST 1301, HIST 1302, SPCH 1315 or SPCH 1318 and 2 Life & Physical Sciences all with a C or better; Cumulative GPA of 2.75; Qualifying scores in Reading, Writing and Mathematics.