

**Bachelor of Science in Mathematics
With Teacher Certification
2018-2019 Degree Plan**

CORE CURRICULUM		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	
MATH 2312 Precalculus OR Course from Approved list		3	
REQUIRED SUPPORT COURSES		10 SCH	
	Grd	SCH	
MATH 2113 Calculus I Lab: to be taken concurrently with Math 2313		3	
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 1315 or CSCI 1336 Programming Fundamentals		1	
UNIV 1101 Jaguar Tracks 1		1	
UNIV 2101 Jaguar Tracks 2		1	
STEM 3101 or EDIC 3101 Jaguar Tracks 3		1	
STEM 4101 or EDIC 4101 Jaguar Tracks 4		1	

MAJOR (REQUIRED) COURSES		34-35 SCH	
2.75 overall GPA for major			
	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 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 2.75 overall GPA		29 SCH	
	Grd	SCH	
EDED 3303 Knowledge of Pedag & Assessment		3	
EDSE 3345 Survey of Exceptional Children		3	
EDED 4311 Tch & Pedagogy for Mid/Sec Tchr		3	
EDED 3358 Classroom Management		3	
EDED 4309 Legal & Ethical Issues		3	
EDED 4357 Math Methods-Middle & Secondary		3	
EDFR 3110 Field Lab Residency I		1	
EDFR 3120 Field Lab Residency II		1	
EDFR 4623 Secondary School Student Teaching		6	
EDRG 4325 Disciplinary & Content Area Lit.		3	
ELECTIVES		SCH	
--As needed to complete 120 credit hours required			
Recommended courses for teacher certification	Grd	SCH	
EDRG 3389 Tech 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)*****

Completion of 45 hours; ENGL 1301, ENGL 2311, 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.

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