NAME: _____ WT ID: _____ DATE: _____

Mathematics (Grades 7-12) Certification
College of Engineering
Classroom Center, Room 420   (806)651-2540

CORE CURRICULUM COURSES: 42 HOURS ♦	HRS	
Communication (Core 10)		
ENGL 1301 Introduction to Academic Writing and Argumentation	3	
COMM 1315, 1318, or 1321	3	
Mathematics (Core 20)		
See **University Core Requirements** below	(3)	
Life and Physical Sciences (Core 30)		
See **University Core Requirements** below	(6)	
Language, Philosophy and Culture (Core 40)		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311, 2312*/**, 2313, 2315*/**, or 2371 **Choose 1**	3	
Creative Arts (Core 50)		
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 **Choose 1**	3	
American History (Core 60)		
HIST 1301, 1302, 2301, 2381, 2382 **Choose 2**	6	
Government/Political Science (Core 70)		
POSC 2305 and 2306	6	
Social and Behavioral Sciences (Core 80)		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 **Choose 1**	3	
Component Area Option (Core 90)		
See **University Core Requirements** below	(6)	

MATHEMATICS (GRADES 7-12) CERTIFICATION REQUIREMENTS: 92-96 HOURS   A grade of "C" or better and a 2.75 GPA is required.^

UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦		
CORE 20 MATH 1314*, 1316*, 1324*, 2412*[3], or 2413*[3]	3	
CORE 30 PHYS 1401*[3] and PHYS 1402*[3] OR PHYS 2425*[3] and 2426*[3]	6	
CORE 90 ENGL 1302* or 2311*	3	
CORE 90 PHYS 1401L[1] and 1402L[1] **or** 2425L[1] and 2426L[1] AND IDS 1071[1], MATH 2412[1], or 2413[1]	3	

MATHEMATICS REQUIREMENTS: 38-42 HOURS A 2.75 combined GPA^ is required for Mathematics, Other Degree, and Supporting Area requirements below.		
MATH 1316* Plane Trigonometry **OR** MATH 2412* Pre-Calculus **(if not taken to satisfy Core 20)**	0-4	
MATH 2413* Calculus I	4	
MATH 2414* Calculus II	4	
MATH 3306* Secondary Mathematics and Technology	3	
MATH 3321* Probability **OR** MATH 4361* Statistics for the Sciences	3	
MATH 3311 Linear Algebra	3	
MATH 3325* Introduction to Proofs	3	
MATH 3331* Secondary Principles in Geometry	3	
MATH 4310* Modern Algebra with Cryptography	3	
MATH 4341* Advanced Calculus	3	

Bachelor of Science Degree
Major: Mathematics
BS.MATH.EDS (465) – TExES Exams: 160, 235

Select three courses from: MATH 3321* Probability **OR** MATH 4361* Statistics for the Sciences (one not taken above) MATH 3340* Calculus III MATH 3342* Differential Equations I MATH 3343* Differential Equations II MATH 4340* Complex Variables I MATH 4362* Introduction to Numerical Analysis	9	

OTHER DEGREE REQUIREMENTS: 6 HOURS		
CS 1315* Programming Fundamentals **OR** CIDM 1315 Programming Fundamentals	3	
MATH 4370* (MPS 4370) Senior Investigations **OR** MPS 4393* Math/Physical Science/Engineering Technology Honors	3	

EDUCATION REQUIREMENTS: 27 HOURS (A grade of "C" or better and 2.75 GPA is required.^)		
EPSY 3350 Children with Special Needs	3	
EDRD 4386 Secondary Reading in Content Area	3	
EPSY 3341* Educational Psychology	3	
EDPD 4330* Educational Methodology & Diverse Learners	3	
EPSY 4341* Educator Readiness and Performance	3	
EDPD 4348* Data-Informed Instruction and Assessment	3	
EDPD 4340* Classroom Management	3	
EDPD 4398* Clinical Teaching – All Certificate Areas	3	
EDSE 4341* Clinical Teaching—Secondary	3	

SUPPORTING AREA: 6 HOURS Take six hours from a supporting area: CS, Science or MATH.		
CS, Science or MATH course	3	
CS, Science or MATH course	3	

ELECTIVES: 0-1 HOUR ♦		
ELECTIVE	0-1	
TOTAL HOURS REQUIRED FOR DEGREE	**120-123**	

♦ NOTE: The core curriculum must total **exactly 42 hours**; excess hours must be moved to the major as an elective or a major requirement and stay within the 120-hour requirement or approved total submitted to the Coordinating Board for degree requirements. Some majors specify particular courses to meet core curriculum requirements when options are available.

* Indicates prerequisites—see catalog for more information.

** Or an equivalent course (second year, second semester) in a foreign language.

NOTE: At least 36 hours of advanced work (3000- or 4000-level courses) for which tuition is paid must be earned at WTAMU. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree. A maximum of six semester hours in religion (RELI) and six semester hours in physical education (PHED) courses can count toward a baccalaureate degree.

NOTE: This is NOT a degree plan. All undergraduate students must request an official degree plan from their academic dean's office by the time they have completed 30 credit hours.