

West Texas A&M University
Advising Services
Degree Checklist
2022-2023

(For assistance completing this form, contact Advising Services at 806-651-5300)

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	FPC
Communication (Core 10)			
ENGL 1301 Intro. to Academic Writing & Argumentation OR ENGL 1311 Writing About Ideas		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 or 2381, 1302 or 2382, 2301	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]	FPC	3	
CORE 30			
PHYS 1401*[3] and PHYS 1402*[3]		6	
OR	FPC		
PHYS 2425*[3] and 2426*[3]			
CORE 90			
ENGL 1302* or 2311*	FPC	3	
CORE 90			
PHYS 1401L[1] and 1402L[1] or 2425L[1] and 2426L[1]		3	
AND			
IDS 1071[1], MATH 2412[1], or 2413[1]			
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)	FPC	0-4	
MATH 2413* Calculus I	FPC	4	
MATH 2414* Calculus II	FPC	4	
MATH 3311* Linear Algebra		3	
MATH 3321* Probability OR MATH 4361* Statistics for the Sciences		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 FPC		9	
MATH 3342* Differential Equations I			
MATH 3343* Differential Equations II			
MATH 4340* Complex Variables I			
MATH 4362* Introduction to Numerical Analysis			
OTHER DEGREE REQUIREMENTS: 6 HOURS			
CS 1315* Programming Fundamentals OR CIDM 1315 Programming Fundamentals		3	
MATH 4370* (MPS 4370) Senior Investigations OR		3	
EDUCATION REQUIREMENTS: 27 HOURS			
(A grade of "C" or better and 2.75 GPA is required.^)			
EPSY 4341* Educator Readiness and Performance		3	
EPSY 3350 Children with Special Needs	FPC	3	
EDPD 4340* Classroom Management		3	
EDRD 4386 Secondary Reading in the Content Area		3	
EPSY 3341* Educational Psychology		3	
EDPD 4330* Educational Methodology/ Diverse Learners		3	
EDPD 4348* Data-Informed Instruction and Assessment		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		0-4	
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.

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.