

**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**

<b>CORE CURRICULUM COURSES: 42 HOURS ♦</b>		<b>HRS</b>
<b>Communication (Core 10)</b>		
ENGL 1301 Intro. to Academic Writing & Argumentation OR ENGL 1311 Writing About Ideas	3	
COMM 1315, 1318, or 1321	3	
<b>Mathematics (Core 20)</b>		
See University Core Requirements below	(3)	
<b>Life and Physical Sciences (Core 30)</b>		
See University Core Requirements below	(6)	
<b>Language, Philosophy and Culture (Core 40)</b>		
ANTH 2351, ENGL 2321*, 2326*, 2331*, 2341*, 2343*; HIST 2311, 2323, 2372; MCOM 1307; PHIL 1301, 2374; SPAN 2311, 2312**, 2313, 2315**, or 2371 <b>Choose 1</b>	3	
<b>Creative Arts (Core 50)</b>		
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310 <b>Choose 1</b>	3	
<b>American History (Core 60)</b>		
HIST 1301 or 2381, 1302 or 2382, 2301 <b>Choose 2</b>	6	
<b>Government/Political Science (Core 70)</b>		
POSC 2305 and 2306	6	
<b>Social and Behavioral Sciences (Core 80)</b>		
AGBE 2317*; COMM 2377; CRIJ 1301; ECON 2301, 2302; PSYC 2301; SOCI 1301 <b>Choose 1</b>	3	
<b>Component Area Option (Core 90)</b>		
See University Core Requirements below	(6)	
<b>MATHEMATICS (GRADES 7-12) CERTIFICATION REQUIREMENTS: 92-96 HOURS</b> A grade of "C" or better and a 2.75 GPA is required.^		
<b>UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦</b>		
<b>CORE 20</b> MATH 1314*, 1316*, 1324*, 2412*[3], or 2413*[3]	3	
<b>CORE 30</b> PHYS 1401*[3] and PHYS 1402*[3] OR PHYS 2425*[3] and 2426*[3]	6	
<b>CORE 90</b> ENGL 1302* or 2311*	3	
<b>CORE 90</b> PHYS 1401L[1] and 1402L[1] or 2425L[1] and 2426L[1] AND IDS 1071[1], MATH 2412[1], or 2413[1]	3	
<b>MATHEMATICS REQUIREMENTS: 38-42 HOURS</b> 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 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**

<b>Select three courses from:</b> MATH 3321* Probability OR MATH 4361* Statistics for the Sciences <i>(one not taken above)</i> 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	
<b>OTHER DEGREE REQUIREMENTS: 6 HOURS</b>		
CS 1315* Programming Fundamentals OR CIDM 1315 Programming Fundamentals	3	
MATH 4370* <i>(MPS 4370)</i> Senior Investigations OR	3	
<b>EDUCATION REQUIREMENTS: 27 HOURS</b> (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	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	
<b>SUPPORTING AREA: 6 HOURS</b> Take six hours from a supporting area: CS, Science or MATH.		
CS, Science or MATH course	3	
CS, Science or MATH course	3	
<b>ELECTIVES: 0-1 HOUR ♦</b>		
ELECTIVE	0-4	
<b>TOTAL HOURS REQUIRED FOR DEGREE</b>	<b>120-123</b>	

♦ 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.**