

West Texas A&M University
Advising Services
Degree Checklist
2026-2027

(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

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

CORE CURRICULUM COURSES: 42 HOURS		HRS
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, 1302, 2381, 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; GEOG 1302; PSYC 2301; SOCI 1301 Choose 1	3	
Component Area Option (Core 90)		
See University Core Requirements below	(6)	
MATHEMATICS (GRADES 7-12) CERTIFICATION REQUIREMENTS: 89-93 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: 35-39 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 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	

Take three courses from:		
MATH 3313* Elementary Number Theory	9	
MATH 3321* Probability OR MATH 4361* Statistics for the Sciences		
MATH 3340* Calculus III MATH 3342* Differential Equations I MATH 3380* Graph Theory MATH 4340* Complex Variables I MATH 4362* Introduction to Numerical Analysis		
OTHER DEGREE REQUIREMENTS: 6 HOURS		
CS 1315* Programming Fundamentals OR CS 1337 Programming Principles I OR CIDM 2315 Programming Business Applications	3	
MATH 4370* (MPS 4370) Senior Investigations OR HNRS 4393* Honors Capstone Course	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	
EDUCATION REQUIREMENTS: 27 HOURS A grade of "C" or better and a 2.75 GPA is required. [^]		
EPSY 3341* Educational Psychology	3	
EPSY 3350 Children with Special Needs	3	
EPSY 4341* Educator Readiness and Performance	3	
EDPD 4330* Educational Methodology & Diverse Learners	3	
EDPD 4340* Classroom Management	3	
EDPD 4348 Data-Informed Instruction and Assessment	3	
EDRD 4386 Secondary Reading in Content Area	3	
EDPD 4398* Clinical Teaching – All Certificate Areas	3	
EDSE 4341* Clinical Teaching—Secondary	3	
BACHELOR OF SCIENCE REQUIREMENTS OPTION		
Covered by requirements for major.		
ELECTIVES: 0-4 HOURS		
ELECTIVES (As needed to provide a total of 120 hours.)		0-4
MINIMUM HOURS REQUIRED FOR DEGREE		120

* Indicates prerequisites—see catalog for more information.
 ** Or an equivalent course (second year, second semester) in a foreign language.

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.

WTAMU ADVISING SERVICES – 2026-2027 Curriculum Guide

**Major: Mathematics (Grades 7-12) Certification
(Mathematics, B.S.)**

BS.MATH.EDS (465)

Year 1: Fall		Year 1: Spring	
CORE 10 (Communication) – ENGL 1301 or 1311	3	CORE 10 (Communication) – COMM 1315, 1318 or 1321	3
CORE 20 (Mathematics) – MATH 1314, 1316, 1324 or 2412 ¹ (if 2412 taken, 4th hour counts toward Core 90)	3-4	CORE 30 (Life & Phys. Sci.) – PHYS 1401/1401L or 2425/2425L (4 th hour counts toward Core 90)	4
CORE 40 (Lang., Phil. & Culture) – See checklist for options ¹	3	CORE 60 (American History) – See checklist for options ¹	3
CORE 60 (American History) – See checklist for options ¹	3	CORE 90 (Comp. Area Option) – ENGL 1302 or 2311	3
CORE 80 (Soc. & Behav. Sci.) – See checklist for options ¹	3	MATH 2413 Calculus I	4
CORE 90 (Comp. Area Option) – IDS 1071 (if MATH 2412 not taken for Core 20)	0-1		
Total:	16	Total:	17
Year 2: Fall		Year 2: Spring	
CORE 30 (Life & Phys. Sci.) – PHYS 1402/1402L or 2426/2426L (4th hour counts toward Core 90)	4	CORE 70 (Govt./Political Sci.) – POSC 2306	3
CORE 50 (Creative Arts) – See checklist for options ¹	3	MATH 3311 Linear Algebra	3
CORE 70 (Govt./Political Sci.) – POSC 2305	3	MATH 3321 Probability or MATH 4361 Statistics for Sciences	3
MATH 2414 Calculus II	4	MATH Elective – Take 1 st of 3 courses from list ²	3
CS 1315 Programming Fund. or CS 1337/1337L Programming Principles I or CIDM 2315 Programming Business Applications	3	Supporting Area – CS, Science or MATH Elective	3
Apply to EPP (Educator Preparation Program)		EPSY 3341 Educational Psychology	3
Total:	17	Total:	18
Year 3: Fall		Year 3: Spring	
MATH 3325 Introduction to Proofs	3	MATH 4310 Modern Algebra with Cryptography	3
MATH 3331 Secondary Principles in Geometry	3	MATH Elective – Take 3 rd of 3 courses from list ²	3
MATH Elective – Take 2 nd of 3 courses from list ²	3	EDPD 4348 Data-Informed Instruction and Assessment	3
Supporting Area – CS, Science or MATH Elective	3	EDRD 4386 Secondary Reading in the Content Area	3
EDPD 4330 Educational Methodology & Diverse Learners	3	EPSY 4341 Educator Readiness and Performance	3
Total:	15	Total:	15
Year 4: Fall		Year 4: Spring	
MATH 4341 Advanced Calculus	3	EDPD 4398 Clinical Teaching – All Certificate Areas	3
MATH 4370 Sr. Investigations or HNRS 4393 Honors Capstone	3	EDSE 4341 Clinical Teaching – Secondary	3
EDPD 4340 Classroom Management	3		
EPSY 3350 Children with Special Needs	3		
Elective as needed ³	0-4		
Total:	12-16	Total:	6

¹ **CORE:** Math majors are required to take specific courses for Core 20, Core 30, and Core 90. For all other categories, they may select from any available options (see degree checklist). Apart from the major-specific core requirements, there is no set order in which core courses must be taken.

² **MATH Electives:** Take 3 courses (9 semester hours) from MATH 3313, 3321 (or 4361), 3340, 3342, 3380, 4340, or 4362.

³ **Elective:** Elective hour(s) should be needed only if IDS 1071 is not taken, MATH 1316 is taken for Core 20, and student does not have credit for MATH 1314 (or additional credit).

Identified Marketable Skills	Top Three Local Employers or Industries/Professional Programs/Possible Career Opportunities

Additional notes:

- 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.

- 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.

DISCLAIMER: This curriculum guide should be used in conjunction with the corresponding degree checklist for general planning purposes only. The degree checklist (later a student's official degree plan) should be referred to as the comprehensive list of all courses required for the degree. An official degree plan is required after completing 30 hours. Students should always seek the advice of their academic adviser before scheduling classes.