

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 / Science (Grades 4-8) Certification
Department of Education
OM 415 (806) 651-2668

Bachelor of Science Degree
Major: Education (TExES Exams: 160 & 114)
BS.ED.4-8.MATH/SC (860)

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)		
MATH 1314*, 1316*, 1324*, 1325*, 1332*, 1342*, 1350*, 2412*, or 2413* (2412 & 2413: fourth hr. moves to Core 90)	3	
NOTE: While MATH 1332, 1342 and 1350 will fulfill core math requirements, they will NOT prepare students for higher-level math courses such as MATH 1316 or MATH 2412.		
Life and Physical Sciences (Core 30)		
Take two courses from (extra lab hours move to Core 90): ♦ ANSC 1319; BIOL 1406 or 1308, 1407* or 1309*, 1411, 1413, 2401, 2402; CHEM 1305* or 1411*, 1412*; ENVR 1407*; GEOL 1301 or 1403, 1302, 1404; PHYS 1401*, 1402*, 1311, 1312, 1371, 2425*, 2426*; PSES 1301, 1307 - BIOL 1406, 1407, 1411, 1413; CHEM 1411, 1412; GEOL 1403, 1404; PHYS 1401, 1402, 2425, 2426: 4 th hr. moves to Core 90		
	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*, 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; GEOG 1302; PSYC 2301; SOCI 1301 Choose 1	3	
Component Area Option (Core 90)		
Take six hours from: • EDUC 1300 (recommended for 3 of 6 hours); AGRI 2300; BUSI 1301, 1304; CIDM 1105, CIDM 1301 or 1315; CS 1301; ECON 2331; ENGL 1101, 1102, 1302*, 1312*, 2311*; HNRS 2171; HSCI 2300; IDS 1071 (1-3 hours); MUSI 1053 (1-2 hours); PHIL 2303; SES 1120		
	6	
Also, extra 4 th -hour credits from Core 20 and Core 30 (MATH, BIOL, CHEM, ENVR, GEOL, PHYS)		
MATHEMATICS / SCIENCE (GRADES 4-8) TEACHING FIELD REQUIREMENTS: 59-62 HOURS A grade of "C" or better and a combined 2.75 GPA is required for this section.		
TEACHING FIELD REQUIREMENTS: 56-59 HOURS		
MATH 1316* Plane Trigonometry OR MATH 2412* Pre-Calculus Math	3-4	
MATH 1350* Math for Teachers I (MATH 1314 & 1324 are preqs)	3	
MATH 1351* Math for Teachers II	3	
MATH 2413* Calculus I	4	
MATH 3331* Secondary Principles of Geometry	3	

BIOL/AGRI 3301 Genetics OR BIOL 3303 Human Genetics	3	
PHYS 4321 Principles of Physical Science	3	
Take 10-11 hours from the following: (At least three hours must be advanced.) BIOL 1411 Botany BIOL 1413 Zoology BIOL 3385 Marine Biology CHEM 1411* Chemistry I CHEM 1412* Chemistry II GESC 3303* Oceanography GESC/GEOG 3308 Environment and Man GESC 3310* Minerals and Rocks GESC/GEOG 3313 Meteorology PHYS 1311 Planetary Astronomy		
	10-11	
NSCI 2371 Integrated Science: Earth Science	3	
NSCI 2372 Integrated Science: Biology	3	
EDEL 4381 STEM Teaching and Learning	3	
EDPD 4388* English as a Second Language Teaching Meth.	3	
EDRD 3302 Reading Skills I	3	
EDRD 3325 Science of Teaching Reading	3	
EDRD 4302 Reading Skills II	3	
EPSY 3350 Children with Special Needs	3	
PROFESSIONAL DEVELOPMENT REQUIREMENTS: 21 HOURS A grade of "C" or better and a combined 2.75 GPA is required for this section.		
EPSY 3341* Educational Psychology	3	
EPSY 4341* Educator Readiness & Performance	3	
EDEL 4371* Educational Methodology	3	
EDPD 4340* Classroom Management	3	
EDPD 4348 Data-Informed Instruction & Assessment	3	
EDEL 4341* Clinical Teaching – Elementary	3	
EDPD 4398* Clinical Teaching – All Certificate Areas	3	
MINIMUM HOURS REQUIRED TO COMPLETE DEGREE	120	

* Indicates prerequisites—see catalog for more information.

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

NOTE: Transfer and WT GPA combined must be 2.75.

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: Education – Math/Sci. (4-8) Cert., B.S.

BS.ED.4-8.MATH/SC (860)

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 (Math) – MATH 1314 or 1324	3	CORE 30 (Life & Phys. Sci.) – See checklist for options ¹	3
CORE 30 (Life & Phys. Sci.) – See checklist for options ¹	3	CORE 50 (Creative Arts) – 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 (Component Area Option) – EDUC 1300	3	CORE 70 (Govt./Political Sci.) – POSC 2305	3
Total:	15	Total:	15
Year 2: Fall		Year 2: Spring	
CORE 40 (Lang., Phil. & Culture) – See checklist for options ¹	3	EPSY 3341 Educational Psychology ²	3
CORE 70 (Govt./Political Sci.) – POSC 2306	3	EPSY 3350 Children with Special Needs (summer also)	3
CORE 90 (Comp. Area Opt.) – See checklist for options ¹	3	MATH 1351 Math for Teachers II	3
MATH 1316 Plane Trig. or 2412 Pre-Calculus Math	3-4	MATH 2413 Calculus I	4
MATH 1350 Math for Teachers I	3	Sciences courses ³ – 2 nd of 3 courses	3-4
Sciences courses ³ – 1 st of 3 courses	3-4		
Apply to EPP (Educator Preparation Program)	0		
Total:	18-20	Total:	16-17
Year 3: Fall		Year 3: Spring	
CORE 80 (Social & Behav. Sci.) - See checklist for options ¹	3	EDEL 4381 STEM Teaching and Learning	3
EDRD 3302 Reading Skills I	3	EDPD 4388 English as a Second Lang. Teaching Methods	3
EDEL 4371 Educational Methodology	3	EDRD 4302 Reading Skills II	3
NSCI 2371 Integrated Science: Earth Science	3	MATH 3331 Secondary Principles in Geometry	3
Sciences courses ³ – 3 rd of 3 courses	3-4	NSCI 2372 Integrated Science: Biology (summer also)	3
BIOL 3301 Genetics or BIOL 3303 Human Genetics	3	PHYS 4321 Principles of Physical Science	3
Total:	18-19	Total:	18
Year 4: Fall		Year 4: Spring	
EDPD 4340 Classroom Management	3	EDPD 4398 Clinical Teaching – All Certificate Areas	3
EDPD 4348 Data-Informed Instr. & Assess. (summer also)	3	EDEL 4341 Clinical Teaching – Elementary	3
EDRD 3325 Science of Teaching Reading (summer also)	3		
EPSY 4341 Educator Readiness and Performance	3		
Total:	12	Total:	6

¹ **CORE:** Education – Math/Science 4-8 Certification majors are required to take specific courses for Core 20. 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 **Requirements to take EPSY 3341:** Apply to the Educator Preparation Program; application submitted to Office of Teacher Preparation (Old Main 415); 2.75 GPA in overall WT/transfer hours combined or last 60 hours taken; 2.75 GPA in content field(s)/teaching field(s).

³ **Science courses:** Take 10-11 hours (10 hours if MATH 2412 is taken; 11 hours if MATH 1316 is taken) from BIOL 1411, 1413, 3385; CHEM 1411, 1412; PHYS 1311; GESC 3303, 3308, 3310, 3313. (3 hrs must be advanced.)

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