

**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**  
**College of Engineering**  
**Classroom Center, Room 420 (806)651-2540**

<b>CORE CURRICULUM COURSES: 42 HOURS ♦</b>		<b>HRS</b>	<b>AC</b>
<b>Communication (Core 10)</b>			
ENGL 1301 Intro. to Academic Writing & Argumentation <b>OR</b> 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		3	<b>Choose 1</b>
<b>Creative Arts (Core 50)</b>			
ARTS 1301, 1303, 1304; DANC 2303; MUSI 1306, 1307 (for music majors), 1310; or THRE 1310		3	<b>Choose 1</b>
<b>American History (Core 60)</b>			
HIST 1301 or 2381, 1302 or 2382, 2301		6	<b>Choose 2</b>
<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		3	<b>Choose 1</b>
<b>Component Area Option (Core 90)</b>			
See University Core Requirements below		(6)	
<b>MATHEMATICS MAJOR REQUIREMENTS: 59-63 HOURS</b> A grade of "C" or better must be earned in all courses required for major.			
<b>UNIVERSITY CORE REQUIREMENTS: 15 HOURS ♦</b>			
<b>CORE 20</b> MATH 1314*, 1316*, 1324*, 2412*[3], or 2413*[3]		3	<b>AC</b>
<b>CORE 30</b> PHYS 1401*[3] and PHYS 1402*[3] <b>OR</b> PHYS 2425*[3] and 2426*[3]		6	<b>AC</b>
<b>CORE 90</b> ENGL 1302* or 2311*		3	<b>AC</b>
<b>CORE 90</b> PHYS 1401L[1] and 1402L[1] or 2425L[1] and 2426L[1] <b>AND</b> IDS 1071[1], MATH 2412[1], or 2413[1]		3	
<b>MATHEMATICS REQUIREMENTS: 44-48 HOURS</b>			
MATH 1316* Plane Trigonometry <b>OR</b> MATH 2412* Pre-Calculus (if not taken to satisfy Core 20)		0-4	<b>AC</b>
MATH 2413* Calculus I		4	<b>AC</b>
MATH 2414* Calculus II		4	<b>AC</b>
MATH 3311* Linear Algebra		3	
MATH 3325* Introduction to Proofs		3	
MATH 4341* Advanced Calculus		3	
<b>Take 18 semester hours from:</b> MATH 3321* Probability MATH 3340* Calculus III <b>AC</b> MATH 3342* Differential Equations I <b>AC</b> MATH 3343* Differential Equations II MATH 4310* Modern Algebra with Cryptography MATH 4340* Complex Variables I MATH 4361* Statistics for the Sciences MATH 4362* Introduction to Numerical Analysis		18	

**Bachelor of Science Degree**  
**BS.MATH (115)**

CS 1315* Programming Fundamentals <b>OR</b> CIDM 1315 Programming Fundamentals	<b>AC</b>	3	
CS 1337, 1337L Introduction to Object-Oriented Programming <b>OR</b> CIDM 2315 Programming Business Applications	<b>AC</b>	3	
MATH 4370* (MPS 4370) Senior Investigations <b>OR</b> MPS 4393* Math/Physical Science/Engineering Technology Honors		3	
<b>BACHELOR OF SCIENCE REQUIREMENTS</b> Covered by requirements for major.		<b>OPTION</b>	
<b>ELECTIVES: 30-34 HOURS BY ADVISEMENT ♦</b>			
<b>ADVANCED ELECTIVES</b> Additional hours to provide a minimum of 39 advanced (3000- or 4000-level) hours.		6	
<b>ELECTIVES (ANY LEVEL)</b>		24-28	
<b>MINIMUM HOURS REQUIRED FOR DEGREE</b>		<b>120</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.**