

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

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 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 MAJOR REQUIREMENTS: 59-63 HOURS			
A grade of "C" or better must be earned in all courses required for major.			
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: 44-48 HOURS			
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 3325* Introduction to Proofs	3		
MATH 4341* Advanced Calculus	3		
Take 18 semester hours from: MATH 3321* Probability MATH 3340* Calculus III MATH 3342* Differential Equations I 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 OR CIDM 1315 Programming Fundamentals	3		
CS 1337, 1337L Introduction to Object-Oriented Programming OR CIDM 2315 Programming Business Applications	3		
MATH 4370* (MPS 4370) Senior Investigations OR MPS 4393* Math/Physical Science/Engineering Technology Honors	3		
BACHELOR OF SCIENCE REQUIREMENTS		OPTION	
Covered by requirements for major.			
ELECTIVES: 30-34 HOURS BY ADVISEMENT ♦			
ADVANCED ELECTIVES Additional hours to provide a minimum of 39 advanced (3000- or 4000-level) hours.	6		
ELECTIVES (ANY LEVEL)		24-28	
MINIMUM HOURS REQUIRED FOR DEGREE		120	

♦ 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.

**WTAMU ADVISING SERVICES
2022-2023 Curriculum Guide**

Major: Mathematics, B.S.

Major Code: 115

First Year	
Fall	Spring
Semester Hours	Semester Hours

Second Year	
Fall	Spring
Semester Hours	Semester Hours

Third Year	
Fall	Spring
Semester Hours	Semester Hours

Fourth Year	
Fall	Spring
Semester Hours	Semester Hours

Degree Total Hours 120

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.

<p>Identified Marketable Skills:</p>

<p>Top 3 Local Employers or Industries/Professional Programs/Possible Career Opportunities</p>

<p>Prerequisites/Important Sequences/Other degree Notes:</p>
