

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 | FPC |
|---|------------|-----|
| 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] | FPC 3 | |
| CORE 30 PHYS 1401*[3] and PHYS 1402*[3] OR PHYS 2425*[3] and 2426*[3] | FPC 6 | |
| CORE 90 ENGL 1302* or 2311* | FPC 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) | FPC 0-4 | |
| MATH 2413* Calculus I | FPC 4 | |
| MATH 2414* Calculus II | FPC 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 FPC MATH 3342* Differential Equations I MATH 3343* Differential Equations II | cont. ⇒ 18 | |

Bachelor of Arts Degree
BA.MATH (115)

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|--|-------|------------|--|
| MATH 4310* Modern Algebra with Cryptography MATH 4340* Complex Variables I MATH 4361* Statistics for the Sciences MATH 4362* Introduction to Numerical Analysis | 3 | | |
| CS 1315* Programming Fundamentals OR CIDM 1315 Programming Fundamentals | 3 | | |
| CS 1337/1337L Programming Principles I OR CIDM 2315 Programming Business Applications | 3 | | |
| MATH 4370* (MPS 4370) Senior Investigations | 3 | | |
| BACHELOR OF ARTS REQUIREMENTS: 12 HOURS FPC OPTION | | | |
| Six hours of foreign language. | (6-8) | | |
| Six hours chosen from art, English, history, modern languages, music, philosophy and theatre. | 6 | | |
| ELECTIVES: 16-22 HOURS BY ADVISEMENT ♦ | | | |
| ADVANCED ELECTIVES Additional hours to provide a minimum of 39 advanced (3000- or 4000-level) hours. | 6 | | |
| ELECTIVES (ANY LEVEL) | 10-19 | | |
| 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.