

WTAMU ADVISING SERVICES – 2024-2025 Curriculum Guide

Major: Mathematics, B.S.

Major Code: 115

Year 1: Fall	Year 1: Spring
CORE 10 (Communication) – ENGL 1301 or 1311	CORE 10 (Communication) – COMM 1315, 1318 or 1321
3	3
CORE 20 (Math) – MATH 1314, 1316, 1324, 2412, or 2413 ¹	MATH 2413 Calculus I
3-4	4
CORE – See checklist for options ¹	CORE 30 (Life & Phys. Sci.) – PHYS 1401/1401L or 2425/2425L
3	4
CORE – See checklist for options ¹	- 4 th hour counts towards Core 90
3	CORE – See checklist for options ¹
3	3
Total:	Total:
12-13	14
Year 2: Fall	Year 2: Spring
MATH 2414 Calculus II	MATH 3311 Linear Algebra
4	3
CORE 30 (Life & Phys. Sci.) – PHYS 1402/1402L or 2426/2426L	MATH Elective – Take 1 st of 6 courses from: MATH 3321, 3340, 3342, 3343, 4310, 4340, 4361, 4362
4	3
- 4 th hour counts towards Core 90	CS 1337/1337L Programming Principles I or CIDM 2315
CS 1315 Programming Fundamentals or CIDM 1315	Programming Business Applications
3	3
Programming Fundamentals	CORE – See checklist for options ¹
CORE – See checklist for options ¹	3
3	Advanced Elective (3000- or 4000-level course)
CORE – See checklist for options ¹	3
3	Total:
3	15
Total:	Total:
17	15
Year 3: Fall	Year 3: Spring
MATH 3325 Introduction to Proofs	MATH Elective – Take 4 th of 6 courses from: MATH 3321, 3340, 3342, 3343, 4310, 4340, 4361, 4362
3	3
MATH Elective – Take 2 nd of 6 courses from: MATH 3321, 3340, 3342, 3343, 4310, 4340, 4361, 4362	MATH Elective – Take 5 th of 6 courses from: MATH 3321, 3340, 3342, 3343, 4310, 4340, 4361, 4362
3	3
MATH Elective – Take 3 rd of 6 courses from: MATH 3321, 3340, 3342, 3343, 4310, 4340, 4361, 4362	Elective
3	3
CORE – See checklist for options ¹	Elective
3	3
Advanced Elective (3000- or 4000-level course)	Elective
3	3
Total:	Total:
15	15
Year 4: Fall	Year 4: Spring
MATH Elective – Take 6 th of 6 courses from: MATH 3321, 3340, 3342, 3343, 4310, 4340, 4361, 4362	MATH 4341 Advanced Calculus
3	3
CORE – See checklist for options ¹	MATH 4370 Senior Investigations or MPS 4393 Math/Physical Science/Engineering Honors
3	3
Elective	Elective
3	3
Elective	Elective
3	3
Elective	Elective
3	3
Total:	Total:
15	15

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.

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.