



BS in Mathematics-Interdisciplinary – 2024-2025

Student Name: _____

Student ID: _____

Major Requirements

_____	MAT 180	3	Problem Solving
_____	MAT 230	4	Calculus II
_____	MAT 240	4	Calculus III
_____	MAT 251	4	Differential Equations
_____	MAT 255	3	Justifications in Mathematics
_____	MAT 345	4	Linear Algebra
_____	MAT 352	4	Mathematical Statistics
_____	MAT 382	3	Advanced Statistical Methods
_____	MAT 392	1	Mathematics Seminar
_____	MAT 393*	2-4	Practicum
_____	MAT 493	3	Senior Capstone

Select one of the following courses:

_____	MAT 310	3	Mathematical Modeling with Numerical Analysis
_____	MAT 311	3	Introduction to Data Science

Select one of the following courses:

_____	MAT 340	4	Advanced Calculus
_____	MAT 455	3	Abstract Algebra

*May complete practicum in a supporting area instead of mathematics.

Electives

Select 3 hours of MAT electives—MAT 216 or higher, excluding MAT 301, 302, 309

Additional Major Requirements

Select one of the following courses:

_____	COS 120	4	Introduction to Computational Problem Solving
_____	COS 130	3	Computational Problem Solving for Engineers
_____	SYS 120	4	Introduction to Problem Solving

Select one of the following courses:

_____	BIO 203	4	Principles of Genetics
_____	CHE 201	4	General, Organic, and Biochemistry I
_____	CHE 211	4	College Chemistry I
_____	PHY 211	4	University Physics I

_____ Must also complete a minor or major in any area outside of the Mathematics Department not including Scripture Engagement. Recommended areas include accounting, biology, chemistry, computer engineering, computer science, cybersecurity, economics, engineering, environmental science, finance, information systems, political science, or physics.

Total Major Hours Required: 51-55

Attendance at 15 Mathematics sanctioned events is required.

Degree Requirements

- 128 minimum hours and 42 minimum upper-division hours (3XX/4XX course numbers).
- Fifty percent of the minimum hours must be completed at Taylor—64 hours.
- Fifty percent of the major/minor hours must be completed at Taylor.
- 22 of the last 30 hours earned must be completed at Taylor.
- Cumulative GPA of 2.0; major GPA of 2.3 (higher GPA may be required in certain curricula). (See current catalog for policy).
- All foundational core, major, minor, and proficiency requirements must be completed (including Senior Comprehensive Exam/Paper/Project).
- Two years of one foreign language is required for the BA degree.
- Candidates for 2 degrees must complete a minimum of 158 semester hours and meet all requirements for 2 different majors.