



BA or BS in Mathematics Education – 2024-2025

Student Name: _____

Student ID: _____

Mathematics Requirements

_____	MAT 180	3	Problem Solving
_____	MAT 230	4	Calculus II
_____	MAT 240	4	Calculus III
_____	MAT 255	3	Justifications in Mathematics
_____	MAT 280	3	Mathematics in the Junior High/Middle School
_____	MAT 312	4	College Geometry
_____	MAT 340	4	Advanced Calculus
_____	MAT 345	4	Linear Algebra
_____	MAT 352	4	Mathematical Statistics
_____	MAT 392	1	Mathematics Seminar
_____	MAT 455	3	Abstract Algebra
_____	MAT 493	3	Senior Capstone

Select one course from the following:

_____	COS 120	4	Introduction to Computational Problem Solving
_____	MAT 251	4	Differential Equations
_____	MAT 285	3	Technology for Mathematics Education
_____	MAT 306	3	Introduction to Bioinformatics
_____	MAT 310	3	Mathematical Modeling with Numerical Analysis
_____	MAT 311	3	Introduction to Data Science
_____	MAT 370	3	Selected Topics (<i>approved by advisor</i>)
_____	MAT 382	3	Advanced Statistical Methods
_____	MAT 385	3	Mathematics of Finance
_____	PHY 341	3	Math Methods in Physics and Engineering
_____	SYS 120	4	Introduction to Computational Problem Solving

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

Select one of the following biology, chemistry, or physics 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

Total Major Hours Required: 50-51

Attendance at 15 Mathematics sanctioned events is required.

Professional Education Courses — All curriculum courses must be completed with a grade of C- or better and are counted in major GPA.

_____	EDU 150	3	Education in America
_____	EDU 222	2	Literacy in the Content Area for Secondary Teachers
_____	EDU 260	3	Educational Psychology
_____	EDU 307	2	Discipline and Classroom Management for Secondary Teachers
_____	EDU 309	1	Methods of Instruction and Assessment in Secondary Education
_____	EDU 332	2	The Junior High/Middle School
_____	EDU 384	1	Perspectives in Diversity
_____	EDU 431	17	Supervised Internship in Secondary Schools
_____	MAT 309	2	Teaching Math in Secondary Schools
_____	SED 220	3	Exceptional Children

Select one course from the following:

_____	EDU 344	1	Educational Technology in Secondary Education
_____	MAT 285	3	Technology for Mathematics Education

Additional Education Requirements — All curriculum courses must be completed with a grade of C- or better and are counted in major GPA.

_____	ENG 110	3	College Composition
_____	PSY 340	3	Adolescent Psychology

Select one course from the following:

_____	CAC 160	3	Integrative Communication
_____	COM 210	3	Public Speaking

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.

Education majors may also complete optional concentrations:

SpEd Mild-Moderate P-12 Licensure

_____	SED 220	3	Exceptional Children
_____	SED 330	3	Foundations of Special Education
_____	SED 340	3	Assessment of Exceptional Learners
_____	SED 355	3	Methods of Special Education
_____	SED 360	3	Behavior Management and Disorders
_____	SED 440	3	Special Education Integrative Seminar

SpEd Intense P-12 Licensure

_____	SED 375	3	Low-Incidence Disabilities-Instruction and Learning
_____	SED 380	3	Low-Incidence Disabilities-Independence and Self-determination
_____	SED 390	3	Low-Incidence Disabilities-Collaboration and Individualized Programs

TESOL P-12 Licensure Concentration

_____	EDU 260	3	Educational Psychology
_____	EDU 431	17	Supervised Internship in Secondary Schools (TESOL)
_____	TSL 201	3	Introduction to SLA and the Field of Teaching ESOL
_____	TSL 210	3	Teaching ELL in P-12 Classroom
_____	TSL 303	3	Methods and Assessment in TESOL
_____	TSL 305	3	Pedagogical Grammar and Applied Linguistics in TESOL
_____	TSL 482	3	Seminar with Field Experience in TESOL