

# BA or BS in Biology Science Education - 2024-2025

Student Name: \_\_\_\_\_

Student ID: \_\_\_\_\_

Foundational Requ     BIO 185   1     BIO 201   4     BIO 202   4     BIO 203   4     BIO 345   3     BIO 493   4     ENS 204   4	Biology Major Orientation Biology I: Foundations of Cell Biology and Genetics Biology II: Organisms and Diversity Principles of Genetics Evolution and the Nature of Science Biology Senior Capstone	Biology Electives   Select 4 hours in the summer field program <sup>‡</sup> from:   BIO 304 Field Natural History of the Black Hills   BIO 370 Selected Topics (approved by advisor) <sup>‡</sup> Additional courses from Au Sable Institute may count toward this requirement with departmental approval. Courses from other institutions may count with departmental approval.   Select one cell and molecular course from:   BIO 312 4   Cellular and Molecular Biology   BIO 432 4
Science Core Cour	202	BIO 462 4 Molecular Genetics
	owing chemistry course combinations:	
	General, Organic, and Biochemistry I	BIO 471 4 Microbiology and Immunology
		Colort two ownering this law, courses from.
	General, Organic, and Biochemistry II	Select two organismal biology courses from:
or		BIO 307 4 Vertebrate Natural History
CHE 211 4		BIO 310 4 Human Anatomy and Physiology I
CHE 212 4	College Chemistry II	BIO 311 4 Human Anatomy and Physiology II
		BIO 331 4 Comparative Anatomy
Select <u>one</u> course fr	om:	BIO 452 4 Animal Physiology
PHY 203 4	General Physics I	
PHY 211 4 University Physics I Select one biology experience course from:		Select <u>one</u> biology experience course from:
		BIO 381 3 Research Methods
Select one course fro	om:	BIO 450 2-4 Directed Research
ENS 240 3	Introduction to Geology	
ENS 241 4	0,	Select an additional 4 credits from a 300/400-level biology course*
ENS 242 3		Color an additional <u>-</u> ordatis from a coortoo lovel blology coulde
PHY 204 4	e,	
PHY 212 5	University Physics II	*BIO 370, 393, and 450 may not meet this requirement.
		Major Hours Required: 61-65

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 344	1	Educational Technology in Secondary Education			
	EDU 384	1	Perspectives in Diversity			
	EDU 431	17	Supervised Internship in Secondary Schools			
	NAS 309	2	Science Education Methods			
	SED 220	3	Exceptional Children			
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	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 355 3 Methods of Specia SED 360 3 Behavior Manager	ceptional Learners
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## 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 EDU 431	3 17	Educational Psychology
	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