



TAYLOR UNIVERSITY

BS in Biology Science Education – 2024-2025

Student Name: _____

Student ID: _____

Foundational Requirements

- ____ BIO 185 1 Biology Major Orientation
- ____ BIO 201 4 Biology I: Foundations of Cell Biology and Genetics
- ____ BIO 202 4 Biology II: Organisms and Diversity
- ____ BIO 203 4 Principles of Genetics
- ____ BIO 345 3 Evolution and the Nature of Science
- ____ BIO 493 4 Biology Senior Capstone
- ____ ENS 204 4 Principles of Ecology

Science Core Courses

Select one of the following chemistry course combinations:

- ____ CHE 201 4 General, Organic, and Biochemistry I
- ____ CHE 202 4 General, Organic, and Biochemistry II
- or
- ____ CHE 211 4 College Chemistry I
- ____ CHE 212 4 College Chemistry II

Select one course from:

- ____ PHY 203 4 General Physics I
- ____ PHY 211 4 University Physics I

Select one course from:

- ____ ENS 240 3 Introduction to Geology
- ____ ENS 241 4 Physical Geology
- ____ ENS 242 3 Geology of Indiana
- ____ PHY 204 4 General Physics II
- ____ PHY 212 5 University Physics II

Biology Electives

Select 4 hours in the summer field program* from:

- ____ BIO 304 4 Field Natural History of the Black Hills
- ____ BIO 370 4 Selected Topics (approved by advisor)

*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 Developmental Biology
- ____ BIO 462 4 Molecular Genetics
- ____ BIO 471 4 Microbiology and Immunology

Select two organismal biology courses from:

- ____ BIO 307 4 Vertebrate Natural History
- ____ BIO 310 4 Human Anatomy and Physiology I
- ____ BIO 311 4 Human Anatomy and Physiology II
- ____ BIO 331 4 Comparative Anatomy
- ____ BIO 452 4 Animal Physiology

Select one biology experience course from:

- ____ BIO 381 3 Research Methods
- ____ BIO 450 2-4 Directed Research

Select an additional 4 credits from a 300/400-level biology course*

*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 Reading 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 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 350	3	Behavior Management and Disorders
_____	SED 355	3	Methods of Special Education
_____	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