

“W” Number: _____
 Student Name: _____
 Advisor Name: _____

Catalog: 2021-2022 University of Wyoming Catalog
 Program: Secondary Biological Science Education with
 Concurrent Major in Biology, B.A.

Secondary Biological Science Education with Concurrent Major in Biology, B.A.

Graduates of this program earn a Bachelor’s Degree in Biology Education and a concurrent major in Biology. It prepares students to teach Biology in grades 6-12.

A concurrent major ensures that graduates are highly qualified teachers and will expand career possibilities.

This program requires a minimum of 120 total hours. All major courses must be passed with a grade of C or better. A minimum GPA of 2.500 in major content courses is required. A minimum of 42 credits must be upper-division.

An initial background check must be completed prior to starting any field or practicum experience. Student fees cover the cost of this initial background check so work with your College of Education advisor for details.

Professional Education Requirements

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
Foundations					
EDST2450 - Foundations of Development and Learning	Credits: 3				
ITEC2360 - Teaching with Technology (3 credits required)	Credits: 1-3				
<i>Completion of EDST 2450 with a minimum grade of C or better is a prerequisite for the following courses:</i>					
EDEX2484 - Introduction to Special Education	Credits: 3				
EDST3480 - Diversity & the Politics of Schooling	Credits: 3				
<i>A minimum 2.75 UW cumulative GPA is required for registration in EDST 3100 and EDST 3101. A copy of your valid Wyoming Substitute Teaching Permit must be on file with the Teacher Preparation and Advising Office no later than the first day of class.</i>					
EDST3100 - Teacher as Practitioner	Credits: 3				
EDST3101 - Practicum 3	Credits: 2				
Assessment					
EDST3550 - Educational Assessment	Credits: 2				
Methods (Offered Fall Semester Only)					
EDSE3275 - Subject Matter Specific Methods I: Secondary Science Education (3 credits required)	Credits: 3-6				
EDSE4275 - Subject Matter Specific Methods II: Secondary Science Education (4 credits required)	Credits: 3-6				
Residency (Offered Spring Semester Only)					
EDSE4500 - Residency in Teaching (12 credits required)	Credits: 1-16				
EDSE4550 - Residency Applications and Synthesis	Credits: 3				

Major Content

Required Biology Courses

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
LIFE1010 - General Biology	Credits: 4				

LIFE3400 - General Ecology	Credits: 3				
LIFE3050 - Genetics	Credits: 4				
LIFE3500 - Evolutionary Biology	Credits: 3				
LIFE3600 - Cell Biology	Credits: 4				

Plus Choose Two:

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
LIFE2022 - Animal Biology	Credits: 4				
LIFE2023 - Biology of Plants and Fungi	Credits: 4				
MICR2021 - General Microbiology (can be substituted with MOLB 2021 - General Microbiology)	Credits: 4				

Required Additional Coursework

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
CHEM1020 - General Chemistry I	Credits: 4				
CHEM2300 - Introductory Organic Chemistry	Credits: 4				
MOLB3610 - Principles of Biochemistry	Credits: 4				
PHYS1110 - General Physics I	Credits: 4				
PHYS1120 - General Physics II	Credits: 4				
MATH2200 - Calculus I	Credits: 4				
STAT2050 - Fundamentals of Statistics	Credits: 4				
OR					
LIFE2100 - Intro Research and Analysis	Credits: 4				
COSC1010 - Introduction to Computer Science I	Credits: 4				
OR					
COSC1030 - Computer Science I	Credits: 4				
OR					
• LIFE2100 - Intro Research and Analysis Credits: 4					

Elective Courses

9 hours - minimum. (with 6 hours of 3000-level or above and at least one course with an environmental focus); courses must come from ANVS, BOT, ENTO, KIN, LIFE, MICR, MOLB, PLNT, RNEW, or ZOO.

Notes: