

"W" Number: _____
 Student Name: _____
 Advisor Name: _____

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

Secondary Chemistry Education with Concurrent Major in Chemistry, B.A.

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

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

This program requires a minimum of 121 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				

Chemistry Requirements

Course Name	Credits:	Term Taken	Grade	Gen Ed	Recommended Term
CHEM1020 - General Chemistry I	Credits: 4				
OR					
CHEM1050 - Advanced General Chemistry I	Credits: 4				
CHEM1030 - General Chemistry II	Credits: 4				

OR					
CHEM1060 - Advanced General Chemistry II	Credits: 4				
CHEM2230 - Quantitative Analysis	Credits: 5				
OR					
CHEM4230 - Instrumental Methods of Chemical Analysis	Credits: 5				
CHEM2420 - Organic Chemistry I	Credits: 4				
CHEM2440 - Organic Chemistry II	Credits: 4				
CHEM4110 - Introductory Inorganic Chemistry	Credits: 3				
CHEM4100 - Inorganic Chemistry Laboratory	Credits: 2				
CHEM4507 - Physical Chemistry I	Credits: 3				
OR					
CHEM3550 - Physical Chemistry for the Life Sciences	Credits: 3				
ADDITIONAL REQUIRED COURSEWORK:					
LIFE1010 - General Biology	Credits: 4				
MOLB3610 - Principles of Biochemistry	Credits: 4				
MATH2200 - Calculus I	Credits: 4				
MATH2205 - Calculus II	Credits: 4				
MOLB2021 - General Microbiology	Credits: 4				
OR					
MICR2021 - General Microbiology	Credits: 4				
PHYS1110 - General Physics I	Credits: 4				
OR					
PHYS1210 - Engineering Physics I	Credits: 4				
PHYS1120 - General Physics II	Credits: 4				
OR					
PHYS1220 - Engineering Physics II	Credits: 4				
STAT2050 - Fundamentals of Statistics	Credits: 4				

Upper Division Elective Courses

6-Hours - minimum (6 hours of 3000-level or above)

Courses must come from:

- CHEM, LIFE, or MOLB

*Note-CHEM 4230 is highly recommended

Notes: