



Office of
Transfer Relations

Catalog: 2026-2027 University of Wyoming Catalog
Program: Chemistry, B. A.

Wyoming Transfer Alignment Guide (WyoTAG)

Chemistry, B. A.

The Bachelor of Arts program (B.A.) is designed to provide a solid foundation in chemistry for those pursuing careers that would benefit from chemical expertise.

University Studies Program

This degree requires that The University Studies Program 2015 requirements are met before graduation. Some of the courses required for this major fulfill USP requirements, but not all. Students should check their degree evaluations and consult with their assigned academic advisor to discuss their specific course plan.

Course Name	Credits	UW Course in Major	AA/AS/AB/ADN satisfies this USP
C 1-Communication 1 (COM1)	3		
C 2-Communication 2 (COM2)	3		
C 3-Communication 3 (COM3)	3	(Must be completed at UW)	
Q-Quantitative Reasoning (U5Q)	3		
PN-Physical and Natural World (1) (PN)	3		
PN-Physical and Natural World (2) (PN)	3		
H-Human Culture (1) (H)	3		
H-Human Culture (2) (H)	3		
V-US & WY Constitution (V)	3		
FYS or USP Elective-Any 3-credit hour of FYS or 3-credit hours of USP electives	3		

Note: FYS courses have been paused. 3 hours from any additional USP designated courses is still required.

Course Requirements

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
MATH 2200 - Calculus I Q	4	x	x	x	x	x	x	x
MATH 2205 - Calculus II Q	4	x	x	x	x	x	x	x

Basic Chemistry: 27 Hours

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
CHEM 1050 - Advanced General Chemistry I PN AND CHEM 1060 - Advanced General Chemistry II PN OR	8	See Note 1	See Note 1	See Note 1	See Note 1	See Note 1	See Note 1	See Note 1
CHEM 1020 - General Chemistry I PN AND CHEM 1030 - General Chemistry II PN								
CHEM 2230 - Quantitative Analysis	5	x	x				x	
CHEM 2420 - Organic Chemistry I	4	x	x	x	x	x	x	x
CHEM 2440 - Organic Chemistry II	4	x	x	x	x	x	x	x

Course Name	Credits	
CHEM 3550 - Physical Chemistry for the Life Sciences OR CHEM 4507 - Introduction to Quantum Mechanics	3	UW course
CHEM 4110 - Introductory Inorganic Chemistry	3	UW course

Additional Upper-Level Chemistry: 6 hours (including one of the following)

Course Name	Credits	
CHEM 4100 - Advanced Inorganic Chemistry Laboratory Course	2	UW course
CHEM 4230 - Instrumental Methods of Chemical Analysis	5	UW course
CHEM 4525 - Physical Chemistry Lab I	1	UW course

Additional Requirements

Since the chemistry required in the first two years of all programs is the same, students interested in pursuing a chemistry major can elect any program initially. Discussions with a departmental adviser will allow students to choose the most appropriate major for their career objectives. In general, students planning graduate work in chemistry should elect one of the B.S. programs.

The Bachelor of Arts program (B.A.) has a more liberal content with additional electives. It would support careers in business, law and advanced study in areas needing a strong chemistry background such as toxicology or forensic science

The B.A is designed to provide a solid foundation in chemistry for those pursuing careers that would benefit from chemical expertise.

The B.A. is suitable for students in the College of Education who wish to obtain a degree, and may also be appropriate for some premedical tracks.

Students must obtain a grade of C- or higher in each of the chemistry, physics or math courses specifically required for their degree.

The department offers both, B.A. and B.S. degree programs. The B.A. degree includes a minimum of 33 hours of chemistry.

PHYS: 8 Hours

Course Name	Credits	Casper	CWC	EWC	LCCC	NWCCD	Northwest	Western
PHYS 1310 - College Physics I PN AND PHYS 1320 - College Physics II PN OR PHYS 1110 - General Physics I PN AND PHYS 1120 - General Physics II PN OR PHYS 1210 - Engineering Physics I PN AND PHYS 1220 - Engineering Physics II PN	8	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2	See Note 2

NOTES

Note 1: All Wyoming community colleges offer both CHEM 1020 & CHEM 1030.

Note 2: All Wyoming community colleges offer both required Physics sequences (PHYS 1310 & PHYS 1320 or PHYS 1210 & PHYS 1220).

COURSE SUBSTITUTIONS: WyoTAGs reflect published equivalencies. UW academic departments occasionally arrange for course substitutions when indirect equivalencies exist. Please contact your UW Academic Advisor for details.

EFFECTIVE DATE: This document is in effect as of the 2026-2027 catalog year; it reflects the published UW curriculum as of that date. Any changes to the UW curriculum or the WYCC course equivalents will require this document to be updated. To request an updated document, faculty should contact transfer@uwyo.edu via email.