



College of
Engineering and
Applied Science

Chemistry, BA

FALL

SPRING

FRESHMAN YEAR

Course Number	Course Title	USP	CR	Min Grade	Grade	Course Number	Course Title	USP	CR	Min Grade	Grade
CHEM 1020	General Chemistry I		4	C		CHEM 1030	General Chemistry II		4	C	
Prerequisite: ACT MATH 23 or concurrent MATH 1400/1405 or 1450						Prerequisite: C in CHEM 1020					
	USP: Communications I	C1	3	C		MATH 2205	Calculus II	Q	4	C	
						Prerequisite: C in Math 2200					
MATH 2200	Calculus I	Q	4	C			USP: US & WY Const.	V	3	D	
Prerequisite: C in Math 1405 or 1450, MPE 5, Math ACT 27, Math SAT 640											
	USP: Human Culture	H	3	D			USP: Human Culture	H	3	D	
Prerequisite: Varies						Prerequisite: Varies					
Total			14			Total			14		

SOPHOMORE YEAR

CHEM 2420	Organic Chemistry I		4	C		CHEM 2440	Organic Chemistry II		4	C	
Prerequisite: C in CHEM 1030 or CHEM 1060						Prerequisite: C in CHEM 1030 or CHEM 1060 and CHEM 2420					
PHYS 1210 or 1110	Physics I	PN	4	C		PHYS 1220 or 1120	Physics II	PN	4	C	
Varies						Varies					
	Global or General Elective		3	D			General Elective		4	D	
Prerequisite: Varies						Prerequisite: Varies					
	General Elective		4	D			USP: Communications II	C2	3	C	
Prerequisite: Varies						Prerequisite: C in C1					
Total			15			Total			15		

JUNIOR YEAR

CHEM 4110	Introductory Inorganic Chemistry		3	C		CHEM 2230	Quantative Analysis		5	C	
Prerequisite: C in CHEM 2420 and Physical Chemistry (not enforced)						Prerequisite: CHEM 1030, CHEM 1060 or Equivalent					
	Diversity or General Elective		3	D			General Elective		4	D	
Prerequisite: Varies						Prerequisite: Varies					
	General Elective		4	D			General Elective		4	D	
Prerequisite: Varies						Prerequisite: Varies					
	Upper Div Elective		3	D			Upper Div Elective		3	D	
Prerequisite: Varies						Prerequisite: Varies					
	Upper Div Elective		3	D							
Prerequisite: Varies											
Total			16			Total			16		

SENIOR YEAR

CHEM	Upper Div CHEM Elec		3	C		CHEM	Physical Chemistry- 3550 or 4507		3	C	
Must have at least one of CHEM 4100, 4230, or 4530						Prerequisite: Varies					
CHEM	Upper Div CHEM Elec		3	C			Upper Div Elective		3	D	
Prerequisite: Varies						Prerequisite: Varies					
	Upper Div Elective		3	D			Upper Div Elective		3	D	
Prerequisite: Varies						Prerequisite: Varies					
	Upper Div Elective		3	D			Upper Div Elective		3	D	
Prerequisite: Varies						Prerequisite: Varies					
	USP: Communications III	C3	3	C			Upper Div Elective		3	D	
Prerequisite: C in C2						Prerequisite: Varies					
Total			15			Total			15		

Fall only or spring only course

Total Program Credits: 120

*CHEM 3550 offered in spring; CHEM 4507 offered in Fall. CHEM 3550 prerequisites are CHEM 1030 and MATH 2200. CHE 4507 prerequisites are CHEM 1030, PHYS 1220 and MATH 2210

*Students must have a minimum cumulative GPA of 2.0 to graduate

*Students must complete 42 hours of upper division coursework, 30 of which must be from the University of Wyoming.

*No more than 60 hours in the major subject may be used toward the 120 credits required (128 for professional programs).

*All hours in the major subject must be completed with a grade of C or better. Courses must be taken for a letter grade unless offered S/U only.

*H and PN courses must be taken outside the major subject, but can be cross-listed with the major.

*Students with specific additional interests (pre-med or pre-professional) may wish to move V/H/C2 courses to take necessary courses

2025-2026 Catalog Year