

Chemistry, BS - plan 1



University of Wyoming

Freshman Fall Semester

	Hrs	Min	Grade	Notes
USP First Year Seminar	3		C	FY
CHEM 1020 General Chemistry I	4		C	Can substitute CHEM 1050. Offered fall only.
MATH 2200 Calculus I	4		C	Q, minimum Math Placement Exam score required
ENGL 1010 College Composition and Rhetoric	3		C	C1
Credit hours subtotal:				14

Freshman Spring Semester

	Hrs	Min	Grade	Notes
CHEM 1030 General Chemistry II	4		C	Can substitute CHEM 1060. Offered spring only.
MATH 2205 Calculus II	4		C	
POLS 1000 American and Wyoming Government	3			V *
USP Human Culture	3			H *
Credit hours subtotal:				14

Sophomore Fall Semester

	Hrs	Min	Grade	Notes
CHEM 2420 Organic Chemistry I	4		C	
MATH 2210 Calculus III	4		C	
USP Communication 2	3		C	C2 *
A&S Core Global	3			ASG
Elective	3			
Credit hours subtotal:				17

Sophomore Spring Semester

	Hrs	Min	Grade	Notes
CHEM 2440 Organic Chemistry II	4		C	
CHEM 2230 Quantitative Analysis	5		C	Offered spring only.
A&S Core Diversity in US	3			ASD
USP Human Culture	3			H *
Elective	3			
Credit hours subtotal:				18

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

Students must complete 48 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 for 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 (e.g. pre-med or another pre-professional program) may wish to move their V/H/C2 courses to alternate semesters so as to take the necessary required courses (e.g. LIFE 1010, MOLB 3000, etc.)

This is a guide for coursework in the major; actual course sequence may vary by student. Please refer to online student degree evaluation.

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Junior Fall Semester

	Hrs	Min	Grade	Notes
CHEM 4100 Inorganic Chemistry Lab	2		C	May be taken in spring; prereq or coreq is 4110
CHEM 4110 Introductory Inorganic Chemistry	3		C	
CHEM 4930 Undergraduate Research	1		C	
PHYS 1210 General Physics I	4		C	PN
Elective	3			
Upper Division Elective	3			
Credit hours subtotal:	16			

Junior Spring Semester

	Hrs	Min	Grade	Notes
CHEM 4930 Undergraduate Research	1		C	
PHYS 1220 General Physics II	4		C	PN
Upper Division Electives	9			
Credit hours subtotal:	14			

Senior Fall Semester

	Hrs	Min	Grade	Notes
CHEM 4000 Career Skills	3		S	Only offered in fall as S/U ‡
CHEM 4507 Physical Chemistry I	3		C	Prereq 1 year of physics and 3 semesters of calculus
CHEM 4525 Physical Chemistry Lab I	1		C	Prereq or coreq CHEM 4507
Upper Division Chemistry Elective	3		C	
USP Communication 3	3		C	C3, CHEM 4010 recommended but not required
Upper Division Electives	3			
Credit hours subtotal:	16			

Senior Spring Semester

	Hrs	Min	Grade	Notes
CHEM 4508 Physical Chemistry II	3		C	
CHEM 4530 Physical Chemistry Lab II	1		C	Prereq or coreq CHEM 4508
Upper Division Electives	12			
Credit hours subtotal:	16			

TOTAL CREDIT HOURS: 122

Notes:

‡ Students taking CHEM 4010 (C3) are not required to take CHEM 4000