

University of Wyoming
Department of Chemistry
Plan 2 BS (CACs) Requirements

Chemistry Core (prefix CHEM)

1001	The Chemical Community (<i>Recommended, not required</i>)	(1 hr)
1020 or 1050	General Chemistry I	4 hrs
1030 or 1060	General Chemistry II	4 hrs
2230	Quantitative Analysis	4 hrs
2420	Organic Chemistry I	4 hrs
2440	Organic Chemistry II	4 hrs
3610	Principles of Biochemistry <i>or</i> MOLB 4600 General Biochemistry I	4 hrs
4000	Career Skills	1 hr
4100	Inorganic Lab	2 hrs
4110	Inorganic Chemistry	3 hrs
4230	Instrumental Methods of Chemical Analysis	4 hrs
4507	Physical Chemistry	3 hrs
4508	Physical Chemistry II	3 hrs
4530	Physical Chemistry Lab	1 hr
4930	Undergraduate Research	3 hrs
Upper Division Electives		2-3 hrs
May not include 4920 Special Problems in Chemistry.		

Total 46-48 hrs

Math Courses

MATH 2200	Calculus I (QB)	4 hrs
MATH 2205	Calculus II	4 hrs
MATH 2210	Calculus III	4 hrs

Physics Courses

PHYS 1210 or 1310	Introduction to Physics I	4 hrs
PHYS 1220 or 1320	Introduction to Physics II	4 hrs

Computer Science

3 hrs

Program Supporting Courses

18 hrs

Must be approved by the Undergraduate Studies Committee. May not include more than 3 hrs in 4920 or 9 hrs from 4930).

Arts & Sciences Extended Core

Non-Western (NW) _____ 3 hrs

Either Upper Division Courses *outside* Chemistry 6-8 hrs
May not include MOLB 3610 Principles of Biochemistry or courses used to fulfill USP.

3-4 hrs

3-4 hrs

Or Foreign Language (two semesters of the *same language*)

4 hrs

4 hrs

University Studies Requirements

Intellectual Community (1-3 hrs)

I (*CHEM 1001, recommended*) _____

Writing I (3 hrs)

WA _____

Oral Communication (3 hrs)

O _____

Quantitative Reasoning 1 and 2 (3 hrs each)

QA (*Satisfied by prerequisite requirements for Calculus I*)

QB (*MATH 2200/2205/2210*) _____

**Sciences (4-8 hrs) - 2 lab courses from two different departments
—satisfied by CHEM & PHYS core requirements**

Cultural Context (9 hrs; 3 from CH, CS, and CA; can substitute C for one area)

C _____

CH _____

CS _____

CA _____

US & WY Constitution (3 hrs)

V _____

Physical Activity & Health

P _____

Embeddable Components

Information Literacy

L (*CHEM 1001, recommended*) _____

Writing 2 and 3

WB _____

WC (*ENGL 4010 recommended*) _____

Global Awareness

G _____

Diversity in the United States

D _____

- The College of Arts & Sciences requires 120 hours for graduation, exclusive of P.
- As of Fall 1997 the University requires 48 hours of upper division credit for graduation, 30 of which must be earned from UW.
- All Chemistry core, Math, Physics, Computer Science, and Program supporting courses required for BS-CACS degree must be completed with a grade of C or better.