

University of Wyoming  
Department of Chemistry  
**Plan 1 BS (CHEM) 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
4000	Career Skills	1 hr
4100	Inorganic Chemistry Lab	2 hrs
4110	Introductory Inorganic Chemistry	3 hrs
4507	Physical Chemistry	3 hrs
4508	Physical Chemistry II	3 hrs
4530	Physical Chemistry Lab	1 hr
4930	Undergraduate Research	2 hrs
Upper Division Electives		3 hrs

\* May not include 4920 Special Problems in Chemistry, or 4930 Undergraduate Research.

**Total 38 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

**Arts & Sciences Extended Core**

Non-Western (NW) \_\_\_\_\_ 3 hrs

Upper Division Courses *outside* Chemistry 9 hrs  
May not include MOLB 3610 Principles of Biochemistry or courses used to fulfill USP.

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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; may 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, and Physics courses required for BS-CHEM degree must be completed with a grade of C or better.