

THE UNIVERSITY OF PUGET SOUND

2020-2021 CURRICULUM GUIDE

CHEMISTRY – AMERICAN CHEMICAL SOCIETY CERTIFIED DEGREE

DEGREE: BS

CONTACT PERSON: JEFF GRINSTEAD

A suggested four-year program:

Fall Semester Classes

Spring Semester Classes

Freshman		Units		Units	
SSI 1	1	SSI 2	1		
CHEM 110/lab or 115/lab ¹ (NS core)	1	CHEM 120/lab or 230/lab ¹	1		
MATH 180 (MA core)	1	MATH 181	1		
FL (if needed) or elective	1	FL (if needed) or elective	1		
Sophomore		Units		Units	
CHEM 250/lab	1	CHEM 251/lab	1		
PHYS 121/lab	1	PHYS 122/lab	1		
MATH 280	1	Approaches core	1		
Approaches core	1	Elective	1		
		CHEM 231 ¹ (if needed)	0.5		
Junior		Units		Units	
CHEM 340	1	CHEM 341/lab	1		
CHEM 330/lab	1	CHEM 300-400 level elective ^{2,3}	0.5-1		
Approaches core	1	Elective	1		
Elective	1	Elective	1		
Senior		Units		Units	
CHEM 490 (Senior Research)	1	CHEM 420/lab	1		
CHEM 460/lab ^{2*} (CHEM Elective)	1	Elective	1		
CN core ³	1	Elective	1		
Elective	1	Elective	1		
CHEM 493	0	CHEM 493 (if necessary)	0		

Puget Sound requires a total of 32 units to graduate

NOTES:

- 1) Either CHEM 110 and 120 or 115 and 230 serve as prerequisites for CHEM 250. Chemistry majors who take the 110/120 sequence will also need to take CHEM 231, which is exempt from the tuition overload policy.
- 2) BIOL 361 may be substituted if an additional upper-level chemistry elective and an additional 48 hours of lab work (e.g., summer research) is included in the degree. Students may not receive credit for both BIOL 361 and CHEM 461.
- 3) Of the three units of upper division coursework required outside the first major, the Connections course will count for one unless it is used to meet a major requirement.

*Required for the American Chemical Society certified degree.

A minimum grade of C must be earned in all courses for the major.

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COURSE CHECKLIST

CHEMISTRY (BS) – ACS CERTIFIED

CORE CURRICULUM

UNIVERSITY CORE	CRS	TERM	GRADE
SSI 1			
SSI 2			
AR			
HM			
MA (MATH 180 or 181)#			
NS (CHEM 110 or 115)#			
SL			
CN			

KEY

SSI1= Seminar in Scholarly Inquiry1 MA= Mathematical Approaches
 SSI2= Seminar in Scholarly Inquiry2 NS= Natural Scientific Approaches
 AR= Artistic Approaches SL= Social Scientific Approaches
 HM= Humanistic Approaches CN= Connections
 FL= Foreign Language

Foreign Language Requirement**** (circle one)

- 1) Two semesters at 101/102 level or One semester at 200+ level
- 2) Proficiency exam (3rd high school level or 1st year college level)
- 3) AP foreign language score of 4 or 5
- 4) IB higher level foreign language score of 5, 6, or 7

Upper Division Level Requirement

Three units at the upper division level outside the first major.

KNOWledge, Identity, and Power Requirement

One course. See Bulletin for details. Courses may also fulfill other program or graduation requirements.

MAJOR REQUIREMENTS

COURSE	UNITS	TERM	GRADE
CHEM 110, 120 and 231 OR CHEM 115 and 230	2.5 OR 2		
CHEM 250	1		
CHEM 251	1		
CHEM 330	1		
CHEM 340	1		
CHEM 341	1		
CHEM 420	1		
CHEM 490	1		
CHEM 493	0		
CHEM 460 (CHEM elective)*	1		
MATH 180	1		
MATH 181	1		
MATH 280	1		
PHYS 121	1		
PHYS 122	1		

**THIS FORM IS
NOT AN
OFFICIAL GRADUATION ANALYSIS**

NOTES

#These major requirements may be used to fulfill university cores.

*CHEM 460 is a required course for the American Chemical Society certified degree.

CHEM 390 may NOT be used to fulfill the Chemistry elective requirement for BS majors.

A minimum grade of C must be earned in all courses for the major.

Students must contact the Chemistry Chair to confirm that their particular plan satisfies the ACS certification guidelines.