THE UNIVERSITY OF PUGET SOUND 2021-2022 CURRICULUM GUIDE CHEMISTRY – AMERICAN CHEMICAL SOCIETY CERTIFIED DEGREE DEGREE: BS CONTACT PERSON: JOHANNA CRANE

A SUGGESTED four-year program:

Fall Semester Classes Spring Semester Classes							
Units		Units					
1	SSI 2	1					
1	CHEM 120/lab or 230/lab ¹	1					
1	MATH 181	1					
1	FL (if needed) or elective	1					
Units	Units						
1	CHEM 251/lab	1					
1	PHYS 122/lab	1					
1	Approaches core	1					
1	Elective	1					
	CHEM 231 ¹ (if needed)	0.5					
Units		Units					
1	CHEM 341/lab	1					
-		1					
1	CHEM 300-400 level elective ^{2, 3}	0.5-1					
1	CHEM 300-400 level elective ^{2, 3}	0.5-1					
1	CHEM 300-400 level elective ^{2, 3} Elective	0.5-1					
1 1 1	CHEM 300-400 level elective ^{2, 3} Elective	0.5-1 1 1					
1 1 1 Units	CHEM 300-400 level elective ^{2, 3} Elective Elective	0.5-1 1 1 Units					
1 1 1 Units 1	CHEM 300-400 level elective ^{2, 3} Elective Elective CHEM 420/lab	0.5-1 1 1 1 1 Units 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
1 1 1 Units 1 1	CHEM 300-400 level elective ^{2, 3} Elective Elective CHEM 420/lab Elective	0.5-1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					
	1 1 1 1 1 1 1 1 1 1 1 1 1 1	Intermediate Inits SSI 2 1 SSI 2 1 CHEM 120/lab or 230/lab ¹ 1 MATH 181 1 FL (if needed) or elective Units 1 CHEM 251/lab 1 PHYS 122/lab 1 Approaches core 1 Elective CHEM 231 ¹ (if needed)					

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.

THE UNIVERSITY OF PUGET SOUND COURSE CHECKLIST **CHEMISTRY (BS) – ACS CERTIFIED**

CORE CURRICULUM

MAJOR REQUIREMENTS

TERM GRADE

UNIVERSITY CORE	CRS	TERM	GRADE	COURSE	UNITS
SSI 1				CHEM 110, 120 and 231	2.5
SSI 2				OR CHEM 115 and 230	OR 2
AR				CHEM 250	1
НМ				CHEM 251	1
MA (MATH 180 or 181)#				CHEM 330	1
NS (CHEM 110 or 115)#				CHEM 340	1
SL				CHEM 341	1
CN				CHEM 420	1
<u>KEY</u>			CHEM 490	1	
SSI1= Seminar in Scholarly Inquiry1MA= Mathematical ApproachesSSI2= Seminar in Scholarly Inquiry2NS= Natural Scientific ApproachesAR= Artistic ApproachesSL= Social Scientific ApproachesHM= Humanistic ApproachesCN= Connections				CHEM 493	0
				CHEM 460 (CHEM elective)*	1
	Foreign Language			MATH 180	1
 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 			MATH 181	1	
			MATH 280	1	
			PHYS 121	1	
4) IB higher level foreign language score of 5, 6, or 7				PHYS 122	1

Upper Division Level Requirement

KNOWledge, Identity, and Power Requirement

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

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.

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