# THE UNIVERSITY OF PUGET SOUND

2019-2020 CURRICULUM GUIDE

**CHEMISTRY** 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 <sup>1</sup> (NS core)	1	CHEM 120/lab or 230/lab <sup>1</sup>	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 <sup>1</sup> (if needed)	0.5

Junior	Units		Units
CHEM 340	1	CHEM 341/lab	1
CHEM 330/lab	1	CHEM 300-400 level elective <sup>2, 3</sup>	0.5-1
Approaches core	1	Elective	1
Elective	1	Elective	1

Senior	Units		Units
CHEM 490 (Sr. Research)	1	CHEM 420/lab	1
CN core <sup>4</sup>	1	Elective	1
Elective	1	Elective	1
Elective	1	Elective	1
CHEM 493 (Seminar)	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 231. Students enrolling in CHEM 231 may have up to 4.5 academic units without incurring additional tuition fees. However, some students may opt to only take 3.5 units this semester, with 2.5 units coming from lab classes.
- 2) Students desiring an American Chemical Society certified degree should complete the BS requirements and also take CHEM 460.
- 3) CHEM 390 may not be used to fulfill the Chemistry elective requirement for BS majors. At least 0.5 unit required for the major.
- 4) 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.

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

# THE UNIVERSITY OF PUGET SOUND

COURSE CHECKLIST CHEMISTRY (BS)

## **CORE CURRICULUM**

## MAJOR REQUIREMENTS

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UNIVERSITY CORE		CRS	TERM	GRADE	COURSE	UNITS	TERM	GRADE
SSI 1					CHEM 110, 120 and 231			
SSI 2					OR CHEM 115 and 230			
AR					CHEM 250			
НМ					CHEM 251			
MA (MATH 180 or 181)#					CHEM 330			
NS (CHEM 110 or 115)#					CHEM 340			
SL					CHEM 341			
CN					CHEM 420			
KEY			CHEM 490					
SSI1= Seminar in Scholarly Inquiry1 SSI2= Seminar in Scholarly Inquiry2 AR= Artistic Approaches HM= Humanistic Approaches HM= Homanistic Approaches FL= Foreign Language			CHEM 493*					
			CHEM 300-400 level elective**					
			MATH 180					

MATH 181

**MATH 280** 

**PHYS 121** 

**PHYS 122** 

#### Foreign Language Requirement\*\*\*\* (circle one)

- 1) Two semesters at 101/102 level or One semester at 200+ level
- 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

#### KNOWledge, Identity, and Power Requirement

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

## **Upper Division Level Requirement**

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

# THIS FORM IS NOT AN OFFICIAL GRADUATION ANALYSIS

#### **NOTES**

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

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

- \*No credit for the Seminar requirement.
- \*\*CHEM 390 may NOT be used to fulfill the chemistry elective requirement for BS majors.