# THE UNIVERSITY OF PUGET SOUND

2017-2018 CURRICULUM GUIDE

**CHEMISTRY** DEGREE: BS

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### 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
Approaches core	1	Approaches core	1
MATH 280	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	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 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**

# 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 SSI2= Seminar in Scholarly Inquiry2 AR= Artistic Approaches HM= Humanistic Approaches MA= Mathematical Approaches NS= Natural Scientific Approaches SL= Social Scientific 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

### 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.

### 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 300-400 level elective*	0.5 – 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 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.