

# THE UNIVERSITY OF PUGET SOUND

2018-2019 CURRICULUM GUIDE

**CHEMISTRY – AMERICAN CHEMICAL SOCIETY CERTIFIED DEGREE**

DEGREE: BS

CONTACT PERSON: DAN BURGARD

## A suggested four-year program:

*Fall Semester Classes*

*Spring Semester Classes*

<b>Freshman</b>		<b>Units</b>		<b>Units</b>	
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		
<b>Sophomore</b>		<b>Units</b>		<b>Units</b>	
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		
<b>Junior</b>		<b>Units</b>		<b>Units</b>	
CHEM 340	1	CHEM 341/lab	1		
CHEM 330/lab	1	Elective	1		
Approaches core	1	Elective	1		
Elective	1	Elective	1		
<b>Senior</b>		<b>Units</b>		<b>Units</b>	
CHEM 490 (Senior Research)	1	CHEM 420/lab	1		
CHEM 460/lab <sup>2*</sup> (CHEM Elective)*	1	Elective	1		
CN core <sup>3</sup>	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) 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

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 Certified 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.