

THE UNIVERSITY OF PUGET SOUND

2020-2021 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 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 (Sr. Research) | 1 | CHEM 420/lab | 1 |
| CN core ⁴ | 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 CHEM 231, which is exempt from the tuition overload policy.
- 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

| 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

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 | | | |
| CHEM 250 | | | |
| CHEM 251 | | | |
| CHEM 330 | | | |
| CHEM 340 | | | |
| CHEM 341 | | | |
| CHEM 420 | | | |
| CHEM 490 (I unit) | | | |
| CHEM 493** | | | |
| CHEM 300-400 level elective (0.5 unit)*** | | | |
| MATH 180 | | | |
| MATH 181 | | | |
| MATH 280 | | | |
| PHYS 121 | | | |
| PHYS 122 | | | |

**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.

*CHEM 231 is exempt from the tuition overload policy.

**No credit for the Seminar requirement.

***One-half unit Chemistry elective at the 300+ level. CHEM 390 may NOT be used to fulfill the chemistry elective requirement for BS majors.