## The University of Puget Sound

## 2019-2020 CURRICULUM GUIDE

NATURAL SCIENCE/CHEMISTRY
DEGREE: BS
CONTACT PERSON: JEFF GRINSTEAD
A suggested four-year program:
Fall Semester Classes
Spring Semester Classes

| Freshman | Units |  |  |
| :--- | :---: | :--- | :---: |
| SSI 1 | 1 | SSI 2 | 1 |
| CHEM 110/lab or CHEM 115/lab (NS core) | Units |  |  |
| MATH 180 (or higher) (MA core) | 1 | CHEM 120/lab or CHEM 230/lab | 1 |
| FL (if needed) or elective | 1 | MATH 181 (or higher) | 1 |


| Sophomore | Units | Units |  |
| :--- | :---: | :--- | :---: |
| CHEM 250/lab | 1 | CHEM 251/lab | 1 |
| PHYS 121 (or 111) or BIOL 111 | 1 | PHYS 122 (or 112) or BIOL 112 | 1 |
| Elective | 1 | Elective | 1 |
| Approaches core | 1 | Approaches core | 1 |
|  | CHEM 231* (if needed) | 0.5 |  |


| Junior | Units | Units |  |
| :--- | :---: | :--- | :---: |
| CHEM 340 | 1 | CHEM Course \#6 | 1 |
| Science elective 1* | 1 | Science elective 2* | 1 |
| Approaches core | 1 | Elective | 1 |
| Elective | 1 | Elective | 1 |


| Senior | Units | Units |  |
| :--- | :---: | :--- | :---: |
| Science elective $3^{* *}$ | 1 | Science elective 4** | 1 |
| CN core ${ }^{2}$ | 1 | Elective | 1 |
| Elective | 1 | Elective | 1 |
| Elective | 1 | Elective | 1 |

Puget Sound requires a total of $\mathbf{3 2}$ units to graduate

## NOTES:

Six units of Chemistry normally counted toward the major are required; thus substitutions may be made through advising.

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. Both CHEM $110 / 120$ and the accelerated sequence of CHEM 115/230 count toward the Natural Scientific Approaches core.
2) 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.
*Four additional units of Biology, Chemistry, Geology, Physics, or Math/Computer Science (all courses must be those normally counted toward a major. **No more than two of these may be Chemistry courses).
Must maintain a minimum GPA of 2.0 in all graded courses, including transfer courses, in the major.

CORE CURRICULUM

| UNIVERSITY CORE | CRS | TERM | GRADE |
| :--- | :--- | :--- | :--- |
| SSI 1 |  |  |  |
| SSI 2 |  |  |  |
| AR |  |  |  |
| HM |  |  |  |
| MA (MATH 180\#) |  |  |  |
| NS (CHEM 110\#) |  |  |  |
| SL |  |  |  |
| CN |  |  |  |

KEY
SSI1 = Seminar in Scholarly Inquiry1 MA= Mathematical Approaches SSI2= Seminar in Scholarly Inquiry2 NS= Natural Scientific Approaches AR= Artistic Approaches HM= Humanistic Approaches

SL= Social Scientific Approaches $\mathrm{CN}=$ Connections $\mathrm{FL}=$ Foreign Language

Foreign Language Requirement (circle one)

1) Two semesters at 101/102 level or One semester at 200+ level
2) Proficiency exam (3rd year 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

MAJOR REQUIREMENTS

| COURSE | UNITS | TERM | GRADE |
| :--- | :--- | :--- | :--- |
| CHEM 110, 120 and 231\# |  |  |  |
| OR |  |  |  |
| CHEM 115 and 230\# |  |  |  |
| Four additional Chemistry units: |  |  |  |
| CHEM 250\#\# |  |  |  |
| CHEM 251\#\# |  |  |  |
| CHEM 340\#\# |  |  |  |
| CHEM Course\#\# |  |  |  |
| MATH 180 (or higher)\# |  |  |  |
| MATH 181 (or higher)\# |  |  |  |
| PHYS 111 (or 121) or BIOL 111\# |  |  |  |
| PHYS 112 (or 122) or BIOL 112\# |  |  |  |

## Four additional science units:*

| Science elective 1* |  |  |  |
| :--- | :--- | :--- | :--- |
| Science elective 2* |  |  |  |
| Science elective $3^{* *}$ |  |  |  |
| Science elective $4^{* *}$ |  |  |  |

## THIS FORM IS <br> NOT AN <br> OFFICIAL GRADUATION ANALYSIS

KNOWledge, Identity, and Power Requirement
One course. See Bulletin for details. Courses may also fulfill other program or graduation requirements.

## NOTES

\#These major requirements may be used to fulfill University cores.
\#\#Four units of Chemistry normally counted toward the major are required; thus substitutions may be made through advising.
*Four additional units of Biology, Chemistry, Geology, Physics, Math/Computer Science (all courses normally counted toward a major).
**No more than two Chemistry courses allowed as part of the four additional science electives.
Must maintain a minimum GPA of 2.0 in all graded courses, including transfer courses, in the major.

