## The University of Puget Sound

## 2016-2017 CURRICULUM GUIDE

PHYSICS/DUAL DEGREE ENGINEERING
DEGREE: BA IN PHYSICS: SAMPLE 3-YEAR PROGRAM
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## A suggested three-year program:

Fall Semester Classes
Spring Semester Classes

| Freshman | 1 | SSI 1 | Units |
| :--- | :---: | :--- | :---: |
| SSI 1 | 1 | PHYS 122/lab | 1 |
| PHYS 121/Lab (NS core) | 1 | MATH 181 | 1 |
| MATH 180 (MA core) | 1 | FL (if needed) or elective | 1 |
| FL (if needed) or elective | 1 |  |  |


| Sophomore | Units | Units |  |
| :--- | :---: | :--- | :---: |
| PHYS 221/lab | 1 | PHYS elective (209 or higher) | 1 |
| MATH 280 | 1 | MATH 290 | 1 |
| CHEM 110/lab or 115/lab | 1 | CHEM 120/lab or 230/lab | 1 |
| CSCI 161 | 1 | Approaches core | 1 |


| Junior | Units |  | Units |
| :--- | :---: | :--- | :---: |
| PHYS 305 | 1 | PHYS elective (209 or higher) | 1 |
| PHYS 351 | 1 | Elective | 1 |
| MATH 301 | 1 | CN core* | 1 |
| Approaches core | 1 | Approaches core | 1 |

## NOTES:

* 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.

Both Columbia University and Washington University (St. Louis) have specific requirements which can be met by choosing core classes appropriately. See the Dual Degree Engineering requirements.

## Sample 4-year program:

Do a standard Physics program (see Bulletin) with the following qualification: In addition take CHEM 110 and 230 and CSCI 161.

CORE CURRICULUM

| UNIVERSITY CORE | CRS | TERM | GRADE |
| :--- | :--- | :--- | :--- |
| SSI1 |  |  |  |
| SSI2 |  |  |  |
| AR |  |  |  |
| HM |  |  |  |
| MA (MATH 180, 181) |  |  |  |
| NS (PHYS 121) |  |  |  |
| 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 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

## 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 |
| :--- | :--- | :--- | :--- |
| PHYS 121 |  |  |  |
| PHYS 122 |  |  |  |
| PHYS 221 |  |  |  |
| PHYS 305 |  |  |  |
| PHYS 351 |  |  |  |
| PHYS elective 1 (209 or higher) |  |  |  |
| PHYS elective 2 (209 or higher) |  |  |  |
| MATH 180 |  |  |  |

## THIS FORM IS

NOT AN
OFFICIAL GRADUATION ANALYSIS

## NOTES

1) Students with sufficient background and preparation in high school chemistry and calculus may test out of Chemistry 115 and/or Mathematics 180/181

Majors must maintain a minimum of 2.0 GPA in all courses for the major and prerequisite courses. A higher GPA is necessary for successful admission to the affiliate engineering programs.

- Degree is awarded upon completion of Baccalaureate in Engineering.

