## THE UNIVERSITY OF PUGET SOUND

2016-2017 CURRICULUM GUIDE

#### PHYSICS/DUAL DEGREE ENGINEERING

DEGREE: BA IN PHYSICS: SAMPLE 3-YEAR PROGRAM

CONTACT PERSON: RAND WORLAND

#### A suggested three-year program:

#### Fall Semester Classes

Spring Semester Classes

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

Sophomore	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:**

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.

<sup>\*</sup> 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.

### THE UNIVERSITY OF PUGET SOUND

## COURSE CHECKLIST PHYSICS/DUAL DEGREE ENGINEERING

#### **CORE CURRICULUM**

#### MAJOR REQUIREMENTS

**GRADE** 

UNIVERSITY CORE	CRS	TERM	GRADE	COURSE	UNITS	TERM	
SSI1				PHYS 121			Ī
SSI2				PHYS 122			ľ
AR				PHYS 221			Ī
НМ				PHYS 305			Ī
MA (MATH 180, 181)				PHYS 351			Ī
NS (PHYS 121)				PHYS elective 1 (209 or higher)			Ī
SL				PHYS elective 2 (209 or higher)			Ī
CN				MATH 180 <sup>1</sup>			
<u>KEY</u>			MATH 181 <sup>1</sup>				
SSI1= Seminar in Scholarly Inquiry1 MA= Mathematical Approaches			MATH 280			ĺ	
SSI2= Seminar in Scholarly Inquiry2 NS= Natural Scientific Approaches							٢

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 year high school level or 1st year college level)
- 3) AP foreign language score of 4 or 5

AR= Artistic Approaches

HM= Humanistic Approaches

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.

# THIS FORM IS NOT AN OFFICIAL GRADUATION ANALYSIS

#### **NOTES**

**MATH 290** 

MATH 301

CSCI 161

CHEM 110 and 120

CHEM 115<sup>1</sup> and 230

 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. <u>A higher GPA is necessary for successful admission to the affiliate engineering programs.</u>

• Degree is awarded upon completion of Baccalaureate in Engineering.