

THE UNIVERSITY OF PUGET SOUND

2020-2021 CURRICULUM GUIDE

CHEMISTRY/DUAL DEGREE ENGINEERING

DEGREE: BA

CONTACT PERSON: JEFF GRINSTEAD, CHEMISTRY/ RAND WORLAND, PHYSICS

A suggested three-year program:

This is provided as a guide for a possible sequence for completing everything in 3 years. Other sequences are possible. Please talk with your advisor and Director of the Dual Degree Engineering program. Those students with advanced standing (transfer credit, AP, IB etc.) will have more flexibility.

Fall Semester Classes

Spring Semester Classes

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

Sophomore	Units		Units
CHEM 250/lab	1	CHEM 251/lab	1
MATH 280	1	MATH 290	1
PHYS 121/lab	1	PHYS 122/lab	1
CSCI 161	1	Approaches core	1
		CHEM 231** (If needed)	0.5

Junior	Units		Units
CHEM 340	1	CHEM 341/lab	1
CHEM elective 300 or higher ²	0.5-1	CHEM 420/lab	1
MATH 301	1	CN core	1
Approaches core	1	Approaches core	1
CHEM 493	0		

Puget Sound requires a total of 32 units to graduate

NOTES:

- 1) Complete requirement for the BA degree in Chemistry (see *Bulletin*) with the following additional courses: CSCI 161 and MATH 290, 301.
- 2) By arrangement with the Chemistry Department a student could take a chemical engineering course at an affiliate school which would satisfy this requirement. Columbia University, Washington University (St. Louis), and the University of Southern California have specific requirements which can be met by choosing core classes appropriately. See the Dual Degree Engineering requirements. At least 0.5 units at the 300-400 level required by major.
- 3) A minimum grade of C must be earned in all courses for the major.

*Meet with advisor to ensure that major requirements as well as university requirements are met.

**This course is exempt from the tuition overload policy."

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COURSE CHECKLIST CHEMISTRY / DUAL DEGREE ENGINEERING

CORE CURRICULUM

UNIVERSITY CORE	CRS	TERM	GRADE
SSI 1			
SSI 2			
AR			
HM			
MA (MATH 180, 181)*			
NS (CHEM 110; PHYS 121, 122)*			
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
CHEM 110**, 120 and 231# OR CHEM 115 and 230			
CHEM 250			
CHEM 251			
CHEM 340			
CHEM 341			
CHEM 420			
CHEM 300-400 level elective (min. 0.5 units)			
CHEM 493 (seminar; no credit)			
MATH 180**			
MATH 181**			
MATH 280			
PHYS 121			
PHYS 122			
Dual Degree Engineering Requirements:			
CSCI 161			
MATH 290			
MATH 301			

**THIS FORM IS
NOT AN
OFFICIAL GRADUATION ANALYSIS**

NOTES

A grade of C or higher is required in all major courses at Puget Sound.

A higher GPA is necessary for successful admission to the affiliate engineering programs. Students pursuing Dual-Degree Engineering (DDE) should work closely with the Dual Degree Engineering Director early in their Puget Sound careers to ensure that all the requirements are met.

*These major requirements may be used to fulfill university cores.

**Students with sufficient background and preparation in high school chemistry and calculus may test out of Chemistry 110 and/or Mathematics 180/181.

#CHEM 231 (if needed) is exempt from the tuition overload policy.

Refer to the Bulletin for additional courses recommended for Biomechanical, Electrical, Chemical or Mechanical Engineering.