

THE UNIVERSITY OF PUGET SOUND

2019-2020 CURRICULUM GUIDE

BIOLOGY

DEGREE: BS

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A suggested four-year program:

Fall Semester Classes

Spring Semester Classes

Freshman	Units		Units
SSI 1	1	SSI 2	1
BIOL 111/lab (NS core)	1	BIOL 112/lab ² (NS core)	1
CHEM 110/lab or CHEM 115/lab ¹	1	CHEM 120/lab or CHEM 230/lab	1
FL (if needed) or MATH 180 or 181 ¹ (MA core)	1	FL (if needed) or Elective	1

Sophomore	Units		Units
BIOL 211/lab or BIOL 212/lab ³	1	BIOL 212/lab or BIOL 211/lab ³	1
CHEM 250/lab	1	Science elective 1**	1
Approaches core	1	Approaches core	1
Elective or MATH 180 or 181 ¹ (MA core)	1	Elective	1

Junior	Units		Units
BIOL 213/lab ⁴ or Elective	1	BIOL 213/lab ⁴ or BIOL elective (312+)**	1
BIOL 334 ⁵ or Science elective 2***	1	BIOL 332 ⁵ or Science elective 2***	1
Elective	1	Elective	1
Approaches core	1	Elective	1

Senior	Units		Units
CN core ⁶	1	BIOL elective (312+)**	1
BIOL elective (312+)**	1	BIOL elective (312+)** or Elective	1
Elective	1	Elective	1
Elective	1	Elective	1

NOTES:

Puget Sound requires a total of 32 units to graduate

- 1) Math may be delayed for a year or two but Chemistry should be taken in the first year. Three units of Chemistry are required: CHEM 110, 120, 250 or CHEM 115, 230, 250.
- 2) BIOL 111 recommended as prerequisite course.
- 3) For students completing CHEM 230 (or CHEM 120) in the first year, BIOL 212 may be taken before BIOL 211.
- 4) Biology 111 and one year of college chemistry must be taken before BIO 213.
- 5) Once the physiology requirement of either BIOL 334 or 332 is fulfilled, the other physiology course (BIOL 332 or 334) can be taken as a science elective.
- 6) 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.

**BIOL 312+ (excludes BIOL 398). Can include GEOL 306; CHEM 461; or one of BIOL 390, 392, 490, 491, 495 or 496).

***Two additional units from: BIOL 312+; CHEM 251+; CSCI 141+; EXSC 222; GEOL 101+; MATH 150+; NRSC 201, 350; or PHYS 111+.

THE UNIVERSITY OF PUGET SOUND

COURSE CHECKLIST BIOLOGY (BS)

CORE CURRICULUM

UNIVERSITY CORE	CRS	TERM	GRADE
SSI 1			
SSI 2			
AR			
HM			
MA (MATH 180 or 181)**			
NS (BIOL 111 or 112)*			
SL			
CN			

KEY

SS1= Seminar in Scholarly Inquiry1 MA= Mathematical Approaches
 SS2= 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
BIOL 111*			
BIOL 112*			
BIOL 211			
BIOL 212			
BIOL 213			
BIOL 332 or 334			
Three units of Advanced BIOL (312+, excluding 398)***			
1.			
2.			
3.			
Three units of Chemistry:			
1.			
2.			
3.			
MATH 180 or 181**			
Two Science electives****			
1.			
2.			

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

NOTES

*These major requirements may be used to fulfill the Natural Scientific Approaches core.

**These major requirements may be used to fill the Mathematical Approaches core.

***Two of the three advanced biology electives must be taken in residence at Puget Sound. BIOL 398 may not be used; GEOL 306 and CHEM 461 may each count as one unit. One unit may count toward the major from research or independent study courses: BIOL 390, 392, 490, 491, 495, or 496.

****Two additional units from: BIOL 312+; CHEM 251+; CSCI 141+; EXSC 222; GEOL 101+; MATH 150+; NRSC 201, 350; PHYS 111+.

The three units of Chemistry are selected from: CHEM 110*, 120*, 250; OR CHEM 115*, 230*, 250.

CHEM 251 highly recommended if post-graduate program is planned.

The following courses do not satisfy major or minor requirements: BIOL 101, 102, 201, 205, 398, 498, or 499; INTN 497.

Biology majors are encouraged to participate in the undergraduate research program, provided they consult with and gain approval from a biology faculty research advisor and submit a research proposal. Related courses include 290/390/490 (Directed research), and 491 (Senior Thesis). Students planning a senior thesis should enroll in BIOL 201 (Biology Colloquium), BIOL 392 (Introduction to Biological research) and either one unit of BIOL 491 or BIOL 490 and 491. One research unit or independent study (390, 490, and 491) may count as an advanced elective for the major.

At least two of the Biology electives (312+; excluding 398) must be taken in residence at Puget Sound. At least two of these electives must also have a lab component.