

THE UNIVERSITY OF PUGET SOUND

2019-2020 CURRICULUM GUIDE

BIOLOGY: MOLECULAR AND CELLULAR

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 elective 1 ³ or Elective	1
CHEM 110/lab or CHEM 115/lab ¹	1		CHEM 120/lab or CHEM 230/lab ¹	1
FL (if needed) or MATH 180 or 181 ² (MA core)	1		FL (if needed) or MATH 181 ² or Elective	1
Sophomore		Units	Units	
BIOL 212, 213, or BIOL elective 1 ³	1		BIOL 212, 213, or BIOL elective 1 ³	1
CHEM 250/lab	1		CHEM 251/lab	1
Approaches core	1		Elective or MATH 181 ²	1
Elective or MATH 180 or 181 ² (MA core)	1		Analyt. Sci. elective 1 ⁴ (BIOL 231 recommended) or Elective	0.5 - 1
			CHEM 231 (if needed) ⁴	0.5
Junior		Units	Units	
BIOL 212, 213, BIOL elective 1 ³ or Elective	1		BIOL elective 2 (300+) ³	1
CHEM 460/lab ⁴	1		CHEM 461/lab	1
Approaches core	1		Approaches core	1
Elective	1		Elective	1
Senior		Units	Units	
Analyt. Sci. elective 1 ⁴ or Elective	1		BIOL 404 or Analyt. Sci. elective 2 ⁴	1
BIOL 404 or Analyt. Sci. elective 2 ⁴	1		CN core ⁵ or Elective	1
CN core ⁵ or Elective	1		Elective	1
Elective	1		Elective	1

Puget Sound requires a total of 32 units to graduate.

NOTES:

- 1) Chemistry should be taken in the first year. First-year Chemistry requirements: CHEM 110 and 120 or CHEM 115 and 230.
- 2) Math may be delayed for a year or two. Math 260 is STRONGLY ENCOURAGED AND may substitute for MATH 181. MATH 180, or its equivalent, is prerequisite for MATH 181.
- 3) Two additional units in Biology are required, one of which must be at the 300 or 400 level (excluding BIOL 398) and which can include one research credit (BIOL 390, 490, or 491). Students with an interest in evolutionary, environmental, or ecological applications should strongly consider BIOL 112 or 360 as their electives. BIOL 112 may be taken during the freshman year and is strongly encouraged. Students may not use BIOL 361 to satisfy this requirement.
- 4) Two units of analytical science from the following: BIOL 231; CHEM 231; PHYS 111/112 or PHYS 121/122; MATH 150+; CSCI 141+
- 5) Students who satisfy the first-year Chemistry requirement with CHEM 110 and 120 must also complete CHEM 231 prior to enrolling in CHEM 460.
- 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.

