

THE UNIVERSITY OF PUGET SOUND

2018-2019 CURRICULUM GUIDE

COMPUTER SCIENCE

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
CSCI 161 (MA core)	1	CSCI 261	1
Approaches core	1	Approaches core	1
FL (if needed) or elective	1	FL (if needed) or elective	1

Sophomore		Units	Units
CSCI 240	1	CSCI 291	1
CSCI 281	1	MATH 210 ^{1,2}	1
Approaches core	1	Approaches core	1
Elective ³	1	Elective	1

Junior		Units	Units
CSCI 361 ²	1	CSCI 300-400 level	1
CSCI 300-400 level	1	Elective	1
Elective	1	Elective	1
Elective	1	Elective	1

Senior		Units	Units
CN Core	1	CSCI 440	1
Elective	1	Elective	1
Elective	1	Elective	1
Elective	1	Elective	1

NOTES:

Puget Sound requires a total of 32 units to graduate

- Students majoring in Computer Science are encouraged to take MATH 210 in the first two years. In place of MATH 210, the department will also allow the following **two-course substitution**: MATH 290 **and** one 300+ course from MATH 300, 310, 335, 338, 420 (some topics as noted in topic course descriptions), 433, 434, 471.
- MATH 210 and CSCI 361 can be taken earlier in the sequence if students desire.
- Students are encouraged to take additional mathematics courses beyond MATH 210, *e.g.*, AI (CSCI 431) requires MATH 180.

There are TWO options for the Computer Science major: the **contract** option and the **standard** option.

Contract option - Each contract will consist of: (1) Between eight and 16 units with no more than 10 units in computer science. (2) CSCI 161, 261, 361. (3) Completion of MATH 210. (4) At least five-upper-division (300-400 level) units in computer science. One unit may be from a field other than computer science provided the course has sufficient computer science content. Two units of proof-based or writing courses in computer science must be included. Contract must be finalized in consultation with the advisor and a departmental committee before the first contract upper-division course is completed.

Standard option: (1) Completion of CSCI 161, 261, 240. (2) Completion of MATH 210; CSCI 281, 291, 361. (3) At least two upper-division (300-400 level) units in computer science. (4) Completion of the Capstone CSCI 440.

