

THE UNIVERSITY OF PUGET SOUND

2019-2020 CURRICULUM GUIDE

COMPUTER SCIENCE

DEGREE: BS

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A suggested four-year program for the standard major:

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
Approaches core	1	Approaches core	1
Elective [#]	1	Elective	1
Junior	Units		Units
CSCI 361 ^{**}	1	CSCI 300-400 level	1
CSCI 300-400 level	1	CSCI 475 or Elective	1
Elective	1	Elective	1
Elective	1	Elective	1
Senior	Units		Units
Elective	1	CSCI 440	1
CN Core ^{##}	1	CSCI 475 or Elective	1
Elective	1	Elective	1
Elective	1	Elective	1

NOTES:

Puget Sound requires a total of 32 units to graduate

There are TWO options for the Computer Science major: the **contract** option and the **standard** option. This guide represents a suggested four-year program for the **standard** major in Computer Science.

Standard option requires completion of: (1) CSCI 161, 261, 240, 281, 291, 361 and 475; (2) MATH 210; (3) At least two upper-division (300-400 level) units in computer science; and (4) the Capstone CSCI 440.

Contract option requires completion of: (1) Between eight and 16 units with no more than 10 units in computer science; (2) CSCI 161, 261, 361; (3) MATH 210 and (4) At least five-upper-division (300-400 level) units in computer science. One of these units may be from a field other than computer science provided the course has sufficient computer science content. Two of the upper-division courses are to include at least two proof-based or writing courses in computer science. Contract must be finalized in consultation with the advisor and a departmental committee before the end of the semester in which the first contract upper-division course on the contract is completed.

*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 with a grade of C or better** in each: MATH 290 **and** one 300+ mathematics course from List B: MATH 300, 310, 335, 338, 340, 345, 390, 420 (some topics as noted in topic course descriptions), 471, 490, 491.

**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.

##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.

