

# THE UNIVERSITY OF PUGET SOUND

2017-2018 CURRICULUM GUIDE

## COMPUTER SCIENCE

DEGREE: BS

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### A suggested four-year program:

*Fall Semester Classes*

*Spring Semester Classes*

Freshman	Units	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	Units
CSCI 240	1	CSCI 291	1
CSCI 281	1	MATH 210 <sup>1,2</sup>	1
Approaches core	1	Approaches core	1
Elective <sup>3</sup>	1	Elective	1

Junior	Units	Units	Units
CSCI 300-400 level	1	CSCI 361 <sup>2</sup>	1
CSCI 300-400 level	1	Elective	1
Elective	1	Elective	1
Elective	1	Elective	1

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

**Puget Sound requires a total of 32 units to graduate**

#### **NOTES:**

- 1) Students majoring in Computer Science are encouraged to take MATH 210 in the first two years.
- 2) MATH 210 and CS 361 can be taken earlier in the sequence if students desire.
- 3) Students are encouraged to take additional mathematics courses beyond MATH 210 – e.g. AI (CS 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, 281. (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.



