

THE UNIVERSITY OF PUGET SOUND

2019-2020 CURRICULUM GUIDE

MATHEMATICS

DEGREE: BS

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A suggested four-year program for Standard Option:

Fall Semester Classes

Spring Semester Classes

| Freshman | Units | | Units |
|---------------------------------|-------|---------------------------------|-------|
| SSI 1 | 1 | SSI 2 | 1 |
| MATH 180 (MA core) | 1 | MATH 181 | 1 |
| CSCI 161* or Approaches Core | 1 | Approaches Core | 1 |
| FL (if needed) or elective | 1 | FL (if needed) or elective | 1 |
| Sophomore | Units | | Units |
| MATH 280 | 1 | MATH 290 | 1 |
| CSCI 161* or Approaches Core | 1 | Approaches core | 1 |
| Elective | 1 | Elective | 1 |
| Elective | 1 | Elective | 1 |
| Junior | Units | | Units |
| MATH 300-400 level ¹ | 1 | MATH 300-400 level ¹ | 1 |
| Approaches core | 1 | MATH 300-400 level ² | 1 |
| Elective | 1 | Elective | 1 |
| Elective | 1 | Elective | 1 |
| Senior | Units | | Units |
| MATH 300-400 level ³ | 1 | MATH 300-400 level ³ | 1 |
| Elective | 1 | Elective | 1 |
| CN core [#] | 1 | Elective | 1 |
| Elective | 1 | Elective | 1 |

Puget Sound requires a total of 32 units to graduate

NOTES:

There are TWO options for the Mathematics 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 nine units in mathematics; (2) CSCI 161 or equivalent and (3) At least five upper-division (300-400 level) units in mathematics to include: (a) two units of related upper-division courses to provide depth and (b) one upper-division unit in a proof-based course. Final shape is worked out in consultation with the advisor and a departmental committee before the end of the semester in which the first upper-division course on the contract is completed. The contract will normally include 180/181/280/290.

Standard option: (1) Completion of 180/181/280/290; (2) CSCI 161 and (3) At least five upper-division (300-400 level) units in mathematics to include (a) two units of related upper-division courses to provide depth; (b) one upper-division unit in a proof-based course; and (c) at least one upper-division unit from each of the following two lists: (List A) MATH 301, 302, 350, 355, 360, 375, 376, 380, 420 (some topics as noted in topic course descriptions), 480, 481 and (List B) MATH 300, 310, 335, 338, 340, 345, 390, 420 (some topics as noted in topic course descriptions), 471, 490, 491. Upper-division units must be approved by the end of the semester in which the first upper-division course on the contract is completed. Upper-division courses completed before the contract is approved cannot be included in the contract.

*Students majoring in mathematics should take CSCI 161 in their first two years.

#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.

Currently-offered sets of related upper-division courses to provide depth in contract and standard majors include MATH 301/302, 335/471, 340/345, 350/355, 375/376, 480/481, 490/491.

