

THE UNIVERSITY OF PUGET SOUND

2021-2022 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. This guide represents a suggested four-year program for the standard major in Mathematics.

Contract option: Each contract will consist of: Between eight and 16 units with no more than nine units in mathematics; CSCI 161 or equivalent; and completion of 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. Upper-division courses completed before the contract is approved cannot be included in the contract. The contract will normally include MATH 180/181/280/290.

Standard option: Completion of MATH 180/181/280/290; CSCI 161 or equivalent; at least five upper-division (300-400 level) units in mathematics to include: 1) two units of related upper-division courses to provide depth, 2) one upper-division unit in a proof-based course, 3) at least one upper-division unit from each of the following two lists to provide breadth of experience in continuous and discrete mathematics: **List A:** MATH 301, 302, 350, 355, 360, 375, 376, 380, 420 (some topics as noted in topic course descriptions), 480, 481. **List B:** MATH 310, 335, 340, 345, 390, 420 (some topics as noted in topic course descriptions), 471, 490, 491. Individual classes can count for more than one requirement here.

*Students majoring in mathematics should take CSCI 161 (or equivalent) 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.

Currently offered proof-based courses include MATH 340, 345, 350, 355, 375, 376, 380, 480, 481, 490, and 491.

