

THE UNIVERSITY OF PUGET SOUND

2017-2018 CURRICULUM GUIDE

MATHEMATICS

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
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 (see below)	1	MATH 300-400 level (see below)	1
Elective	1	MATH 300-400 level (see below)	1
Elective	1	Elective	1
Elective	1	Elective	1

Senior	Units		Units
MATH 300-400 level (see below)	1	MATH 300-400 level (see below)	1
Elective	1	Elective	1
CN core #	1	Elective	1
Elective	1	Elective	1

NOTES:

Puget Sound requires a total of 32 units to graduate

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

Contract option: Each contract will consist of: (1) Between 8 and 16 units with no more than 9 units in mathematics; (2) CSCI 161 or equivalent and

(3) At least five upper-division (300-400 level) units in mathematics or mathematics substitute courses to include:

(a) two units of related upper-division courses.

(b) one upper-division unit in a proof-based course. Contract must be finalized in consultation with the advisor and a departmental committee **before** the first contract upper-division course is completed. The contract will normally include 180/181/280/290.

Standard option: (1) Completion of 180/181/280/290. (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

(b) one upper-division unit in a proof-based course

(c) at least one upper-division unit from each of the following lists:

(A) MATH 301, 302, 321, 322, 352, 360, 375, 376, 381, 420 (some topics as noted in topic course descriptions)

(B) MATH 300, 310, 335, 338, 420 (some topics as noted in topic course descriptions), 433, 434, 471.

*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.

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COURSE CHECKLIST MATHEMATICS

CORE CURRICULUM

UNIVERSITY CORE	CRS	TERM	GRADE
SSI 1			
SSI 2			
AR			
HM			
MA (CSCI 161, MATH 180, 181, 280)			
NS			
SL			
CN			

KEY

SSI1= Seminar in Scholarly Inquiry1 MA= Mathematical Approaches
 SSI2= Seminar in Scholarly Inquiry2 NS= Natural Scientific Approaches
 AR= Artistic Approaches SL= Social Scientific Approaches
 HM= Humanistic Approaches CN= Connections
 FL= Foreign Language

MAJOR REQUIREMENTS

COURSE	UNITS	TERM	GRADE
MATH 180			
MATH 181			
MATH 280			
MATH 290			
CSCI 161			
MATH 300-400 level: *			
1.			
2.			
3.			
4.			
5.			

Foreign Language Requirement (circle one)

- Two semesters at 101/102 level or One semester at 200+ level
- Proficiency exam (3rd year high school level or 1st year college level)
- AP foreign language score of 4 or 5
- IB higher level foreign language score of 5, 6, or 7

Upper Division Level Requirement

Three units at the upper division level outside the first major.

KNOWledge, Identity, and Power Requirement

One course. See Bulletin for details. Courses may also fulfill other program or graduation requirements.

**THIS FORM IS
NOT AN
OFFICIAL GRADUATION ANALYSIS**

NOTES

Majors must maintain a minimum 2.0 GPA in all major courses and in all upper-division (300-400 level) courses. At least four units of upper-division courses must be completed at Puget Sound. One of these four units may be taken as part of a study abroad program. For contract majors, this is subject to prior approval by the student's contract committee.

A grade of C- or better is required in all prerequisite courses in Math and Computer Science.

* **Contract** majors must include among the five upper division units: two units of related upper division courses and one upper division proof-based course (approval required before courses are attempted)

* **Standard** option majors must include among the five upper division units: two units of related upper division courses, one upper division proof course, and one unit of each in continuous and discrete mathematics (List A and List B; some classes may meet more than one requirement above).

List A: MATH 301, 302, 321, 322, 352, 360, 375, 376, 381, 420 (some topics as noted in topic course descriptions)

List B: MATH 300, 310, 335, 338, 420 (some topics as noted in topic course descriptions), 433, 434, 471.

