THE UNIVERSITY OF PUGET SOUND
2018-2019 CURRICULUM GUIDE

MATHEMATICS
DEGREE: BS
CONTACT PERSON: JAMES BERNHARD

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:
       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.

* 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.

THE UNIVERSITY OF PUGET SOUND
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

Foreign Language Requirement (circle one)
1) Two semesters at 101/102 level or One semester at 200+ level
2) Proficiency exam (3rd year high school level or 1st year college level)
3) AP foreign language score of 4 or 5
4) 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.

MAJOR REQUIREMENTS

COURSE	UNITS	TERM	GRADE
MATH 180			
MATH 181			
MATH 280			
MATH 290			
CSCI 161			
Five upper-division units of MATH 300-400 level:[*]			
1.			
2.			
3.			
4.			
5.			

**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 option 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 at least one upper-division unit from each of the following two lists (List A and B) to provide experience in both continuous and discrete mathematics (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.