(MATH) Applied Mathematics - Bachelor of Science

General Degree Requirements
- Students must complete all requirements of the University as listed in the catalog.
- A grade of C or higher is required in all prerequisite mathematics courses.
- As per the University's policy, all courses counted toward a mathematics major must be completed with grades of C- or higher and with a cumulative grade point average of 2.00 or higher in those courses.

Go to the department webpage and the catalog for complete information on the department and major.

Completion pathways: There are multiple completion pathways due to the fact that students come with differing calculus backgrounds, and that students choose three electives among multiple courses from different departments. Because of a wide range of electives, students completing this major who are also majoring in computer science or physics will be able to complete both without using more than 12 credits for both. The four-year pathways provided below are just two of the many possible ones and assume that students come in with MATH 151 credit, which most of our majors do. Some of the courses (MATH/STAT 342 and MATH 356) are offered only on alternate years, so these courses may have to be taken during the third or fourth year for the four-year sequence and during the first or second year for the two-year sequence, depending on when students entered PLU. The two-year pathway assumes that students have taken the calculus sequence (equivalent to MATH 151, MATH 152, and MATH 253) elsewhere. The pathways also differ depending on whether students are interested in a more traditional applied mathematics path or a more statistics-oriented one.

The terms during which courses are offered may change. Students and their advisors are encouraged to contact individual departments, including but not limited to the Math Department, to confirm when those departments' courses will be offered.

Four-year Pathway 1 (traditional emphasis)

	Fall Term	J-term	Spring Term	Comments
First Year	MATH 152		MATH 253	PHYS 153/163 this year
Sophomore Year	MATH/STAT 242	MATH 318	MATH 331	CSCI 144 this year
Junior Year	MATH 422* MATH 351 PHYS 356		MATH 356**	
Senior Year	MATH 499A		MATH 499B	

* Typically offered only in the Fall of odd-numbered years; students may need to take during their senior year instead. Students are encouraged to consult the math department to confirm the next expected offering.
** Typically offered only in the Spring of even-numbered years; students may need to take during their senior year instead. Students are encouraged to consult the math department to confirm the next expected offering.

Four-year Pathway 2 (statistics emphasis)

	Fall Term	J-term	Spring Term	Comments
First Year	MATH 152		MATH 253	ECON 101 this year
Sophomore Year	MATH/STAT 242 DATA 133	MATH 318	MATH 331	ECON 102 this year
Junior Year	MATH 422*		MATH/STAT 342** ECON 344	
Senior Year	MATH 499A		MATH/STAT 348 MATH 499B	

* Typically offered only in the Fall of odd-numbered years; students may need to take during their senior year instead. Students are encouraged to consult the math department to confirm the next expected offering.
** Typically offered only in the Spring of even-numbered years; students may need to take during their senior year instead. Students are encouraged to consult the math department to confirm the next expected offering.

Two-year Pathway 1 (traditional emphasis)

	Fall Term	J-term	Spring Term	Comments
First Year	MATH/STAT 242 CSCI 144	MATH 318	MATH 331 MATH 356** CSCI 270	
Second Year	CSCI 330 MATH 351 MATH 422* MATH 499A		MATH 499B	

* Typically offered only in the Fall of odd-numbered years; students may need to take during their senior year instead. Students are encouraged to consult the math department to confirm the next expected offering.
** Typically offered only in the Spring of even-numbered years; students may need to take during their second year instead. Students are encouraged to consult with the math department to confirm the next expected offering.

Two-year Pathway 2 (statistics emphasis)

	Fall Term	J-term	Spring Term	Comments
First Year	MATH/STAT 242 DATA 133	MATH 318	MATH 331 MATH/STAT 342**	ECON 101 this year
Second Year	MATH 422* MATH 499A		MATH/STAT 348 ECON 344 MATH 499B	

* Typically offered only in the Fall of odd-numbered years; students may need to take during their senior year instead. Students are encouraged to consult the math department to confirm the next expected offering.
** Typically offered only in the Spring of even-numbered years; students may need to take during their second year instead. Students are encouraged to consult with the math department to confirm the next expected offering.