



Bachelor of Art or Bachelor of Science **MATHEMATICS**

Our students love logic and problem-solving and, under the mentorship of dedicated professors, they can develop their mathematical reasoning, communication and problem-solving skills.

The department offers opportunities for students to refine their knowledge and use of mathematics content, teamwork, mathematical modeling and technology. Courses are intended to give students a competitive edge when they enter the job market.

Mathematics students are able to meet and work closely with respected professionals who excel in every specialized aspect of the discipline.

Our students graduate with a passion for mathematics and learning and are able to apply the problem-solving skills learned in the classroom to the world around them.

PROGRAM FEATURES

Pi Mu Epsilon

**Pacific Math
Club**

**Problem-solving
Groups**

**Pacific Putnam
Team**

UNIVERSITY OF THE
PACIFIC

Department of Mathematics:

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Please visit Pacific.edu/Mathematics for more information



I like the feeling of getting to the end of the problem and thinking, ‘Oh, I got it.’ I like the struggle along the way, not, ‘Here’s the formula. Just find the number.’ I have to really think about what I’m doing.

OLGA HIGHLEY
Mathematics

The Major

Students who major in math can choose from four degrees: a BA or BS in math, a BS in applied mathematics or a BS in actuarial science. Students who double major or minor in mathematics or who choose to study mathematics as part of their liberal arts education learn the major methods, applicability and spirit of the mathematical sciences.

The Experience

Math majors at Pacific have the opportunity to do research with faculty. Pacific students have been accepted at some of the most prestigious summer undergraduate research programs in the country.

Each spring, the math department hosts the High School Math Competition, which invites local high school mathletes to campus for an exciting day of competitive math activities.

Preparation for the Major

Since many degree programs within the university require courses in mathematics, students are encouraged to complete four years of high school mathematics. In general, this would include two years of algebra, a year of geometry and a year of precalculus that includes trigonometry.

The first course in all mathematics majors is Calculus I, II or III depending on the student's high school preparation in mathematics. Majors with AP Math, AB or IB Math Higher Level credit should start in Calculus II. Majors with AP Math BC credit should start in Calculus III.

Students who are not academically prepared to start in Calculus will start in MATH 041, Precalculus.

OUTCOMES

After graduation, mathematics students flourish in careers at insurance companies, in various branches of government, law schools, medical schools and engineering firms. Some go on to pursue graduate studies in mathematics. Others become math teachers at middle schools and high schools or pursue careers as actuaries.

DEGREES OFFERED

Bachelor of Arts
Bachelor of Science

MAJORS OFFERED

Mathematics (BA, BS)
Mathematics with Departmental Honors (BS)
Applied Mathematics (BS)
Applied Mathematics with Departmental Honors (BS)
Actuarial Sciences (BS)

MINORS OFFERED

Mathematics
Applied Mathematics
Statistics

For more information, please visit:

 [Pacific.edu/Mathematics](https://pacific.edu/Mathematics)