Mathematics is an indispensable tool for science and business, but it is also a rich and beautiful field worthy of study for its own sake. A mathematics major will learn to think logically, gain an aesthetic appreciation for the subject, and develop the skills to solve quantitative problems. Graduates of our program include teachers, professors, lawyers, actuaries, business managers, computer scientists, architects, and financial advisors. A true hallmark of the program is the willingness of faculty to engage in independent study or research with students who want to study more advanced topics in preparation for graduate school.

B.A./B.S. Mathematics

Our mathematics program allows majors enough room in their schedules to either take a minor or possibly a second major in another subject. In recent years we have seen mathematics majors with second majors in biology, computer science, finance, music, economics, Spanish, psychology, and other subjects. The second major or minor is chosen based on an interest of the student or with a particular career in mind.

The bachelor of science degree in mathematics is designed for those students who have a strong interest in attending graduate school in mathematics or applied mathematics or those students seeking to prepare themselves for careers as professional mathematicians in industry.
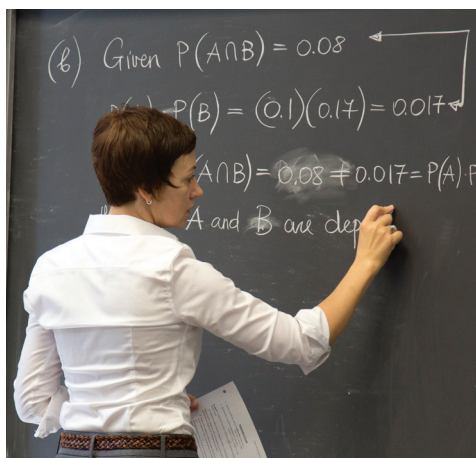
B.A. Mathematics/Secondary Education

Students who are planning to teach mathematics at the high school level enroll as mathematics/secondary education majors. These students take all the coursework of the mathematics majors and additional courses from the education department. They also student-teach in a high school during their senior year.

Minors

Mathematics: The minor in mathematics provides students with a foundation in calculus and an introduction to higher mathematics while allowing them to choose upper-level electives in their areas of interest.

Data Science: In the Data Science minor, students acquire the technical knowledge to identify relevant questions and the programming skills and statistical knowledge to collect, organize, and interpret the data which answers these questions.

Explore Courses of Study and More

24018A

PEOPLE, PLACES, AND POST-GRAD OUTCOMES

To complement course work, we urge our students to participate in engaged learning opportunities where knowledge is put into real-world practice. Our students present papers at Mathematical Association of America (MAA) meetings and produce poster presentations for regional conferences.

PC math majors also qualify for membership in Pi Mu Epsilon, the National Mathematics Honor Society, and attain internships in a number of industries — locally or in their hometowns.

Our faculty members have decades of combined experience teaching many aspects of mathematics and computer science and are graduates of leading institutions, including Brown, Purdue, SUNY Binghamton, Notre Dame, Colorado State, and the University of Chicago and funded by major research organizations, such as the National Science Foundation.

Selected Places of Employment

EY • American Express
Fidelity Investments • PwC
Prudential Financial • Apple Inc.
Raytheon Technologies • Bloomberg
Google • HP • Boston Dynamics
IBM • Thermo Fisher • Liberty Mutual Insurance
U.S. Department of Transit • Lockheed Martin
MEDITECH • Willis Towers Watson • Dell EMC
MVR Insurance Agency • World Bank

Selected Graduate Schools

Boston College • George Mason University
University of Maine School of Law • Boston University
Loyola University Chicago • University of Notre Dame
Brown University • Northeastern University
University of Pennsylvania • Clemson University
Providence College • University of Rhode Island
Colorado State University • Rutgers University
University of Southern California • Duke University
Tufts University • Wake Forest University
Fordham Law School • University of Connecticut
Worcester State University

98%
of **computer science, math, and physics graduates** are employed or attending graduate school
(Providence College classes of 2018 – 2022)

mathematics-computer-science.providence.edu