

The computer science major at PC — offered by the Department of Mathematics and Computer Science — provides students with the knowledge of networks, databases, operating systems, networking, as well as the mathematics that form the base of the field. Our program incorporates rigorous practice in solving problems using algorithms and teaches students how to implement solutions using high-level programming languages. With a B.S. in computer science, you can pursue a variety of careers. Become a software applications developer, computer systems analyst or engineer, network systems administrator, database administrator, business intelligence analyst, web developer, computer programmer, and more.

B.S. Computer Science

Learn concepts and technical skills; advanced theories; hardware organization from the central processing unit to individual components including registers, memory, digital components, and component connections; the theory of computer networks and network algorithms; and more. Students may also focus on special topics in computer science and complete an independent study or research in the field.

Minors

Computer Science: The computer science minor provides a solid foundation in programming skills and technical knowledge while allowing students 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





ENGAGED LEARNING AND POST-GRAD OUTCOMES

Each year, students from the Department of Mathematics and Computer Science conduct research with a faculty mentor and may choose to present research at Providence College's annual Celebration of Student Scholarship and Creativity.

As a computer science major, you will be challenged in the classroom and out. To complement coursework, we urge our students to participate in engaged learning opportunities where knowledge is put into real-world practice.

Our faculty members have decades of combined experience teaching many aspects of mathematics and computer science. Their scholarly interests include big data, statistics, computer networking, operating systems, and computational sustainability.

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