

The Department of Engineering and Physics offers undergraduate programs designed to prepare individuals for careers in applied science and engineering. Students who major in engineering, physics, and physics/secondary education at Providence College benefit from a strong liberal arts foundation that enhances their scientific studies by strengthening their analytical, critical-thinking, problem-solving, and communication skills.

Pre-Engineering Program

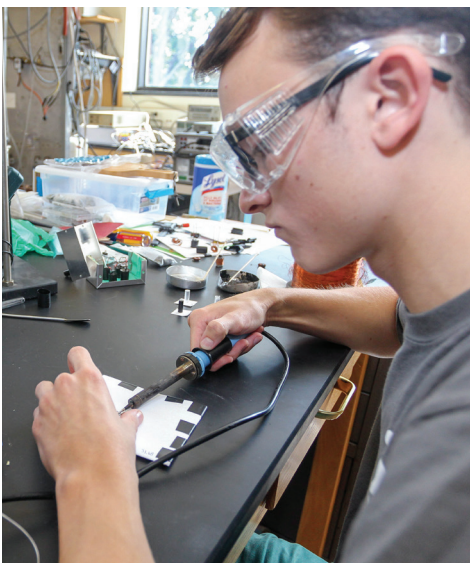
The most popular program is the 3+2 plan in which a student spends three years in a pre-engineering curriculum at Providence College. The final two years of study are spent in an engineering concentration of the student's choice at one of our affiliate universities. Through our affiliate schools, our students have a wide range of choices in their area of concentration within the engineering profession. Built-in flexibility in this program allows students to modify this program into a 4+2, meaning that 4 years are spent at Providence College completing a 4-year degree prior to transitioning to the engineering school. Students can also opt for one of the 3+3 programs at Washington University in St. Louis, in which they remain at the engineering school for one additional year while earning a master's degree.

B. S./Minor Physics

The Department of Engineering and Physics offers a bachelor of science or a minor in physics that combines the traditional physics program with research opportunities. The program builds skills in analytical thinking, problem solving, planning, and technical management while preparing students for a variety of career and/or graduate study options.

B.A. Physics/Secondary Education

Students interested in teaching at the high school level may prepare by following our physics/secondary education track. Students completing this track of study receive a bachelor of arts in physics with an emphasis in secondary education. The course of study has been carefully crafted to include the courses required for secondary education certification as well as a solid base of knowledge in physics. A student following this course of study would be well prepared to teach physics at the secondary level.



Explore Courses
of Study
and More





PEOPLE AND PLACES

Our beautifully renovated Science Complex unites our science buildings — Albertus Magnus, Sowa, and Hickey halls, and includes nearly 65,000 square feet of laboratory and instructional space, state-of-the-art teaching facilities such as a vivarium, microscopy suite, rooftop observatory, computer modeling and computational lab, and cutting-edge audio-visual technology.

The accomplished engineering and physics faculty at PC hold doctoral degrees from institutions recognized for science and research, including the University of Notre Dame, Brown University, the University of Massachusetts, University of Texas, Lehigh University, and Auburn University, and have specialized expertise in atomic and molecular spectroscopy, gas dynamics, geologic evolution of the icy worlds in our solar system, theoretical physics, formation and evolution of galaxies, coastal and estuary dynamics, water supply systems and dynamics, and more.

Selected Places of Employment

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

Selected Graduate Schools

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

98%

of computer science, math, and physics graduates are employed or attending graduate school

(Providence College classes of 2019 – 2023)

engineering-physics.providence.edu