EBERLY COLLEGE OF SCIENCE

Departments and Schools

Department of Astronomy and Astrophysics

The Department of Astronomy & Astrophysics seeks to expand our knowledge of the universe through undergraduate and graduate education, research, and public outreach. Students are active and vital participants in the research programs conducted in the department; with its depth and breadth in research opportunities, the department offers pathways to careers in research and teaching in astronomy and related fields. The Department is involved in a wide variety of observational, experimental, and theoretical projects that cover most active areas of astrophysical research. The Department has an extensive program of public outreach that promotes science including public lectures, workshops, planetarium shows, and public open houses.

MORE INFORMATION ABOUT THE DEPARTMENT OF ASTRONOMY AND ASTROPHYSICS (https://science.psu.edu/astro)

Department of Biochemistry and Molecular Biology

The Biochemistry and Molecular Biology department is enthusiastically engaged not only in basic research to probe fundamental principles of the behaviors of molecules and cells as well as the organization of biological systems, but also in promising applied research, identifying scientific solutions to pressing problems in areas such as medicine, energy production, environmental concerns and agriculture. BMB is dedicated to educating the next generation of scientists, and is the departmental home to students from four majors: Biochemistry and Molecular Biology, Microbiology, Biotechnology and Forensic Science, in addition to training Ph.D. students in the Biochemistry, Microbiology and Molecular Biology Program, and Master's degree programs in Biotechnology and Forensic Science.

MORE INFORMATION ABOUT THE DEPARTMENT OF BIOCHEMISTRY AND MOLECULAR BIOLOGY (https://science.psu.edu/bmb)

Department of Biology

The Department of Biology is internationally recognized in teaching and research in the biological sciences. The research and instructional mission of the department spans ecology to molecular biology, and represents the most diverse program in the biological and life sciences at Penn State. Over the past 35 years more than 6,000 students have earned bachelors degrees in Biology from Penn State, and over 400 graduate students have earned advanced degrees with Biology faculty members. Departmental students, faculty, and alumni contribute to the welfare of our society through their activities including education, public health and services, business, and basic and applied research.

MORE INFORMATION ABOUT THE DEPARTMENT OF BIOLOGY (https://science.psu.edu/bio)

Department of Chemistry

The Department of Chemistry is a leader in many significant areas of chemistry research and discovery, including materials chemistry, life sciences and nanoscience. The department has nationally acclaimed strengths in faculty research, graduate and undergraduate education. With a dedicated staff and state-of-the-art research support facilities, Penn State Chemistry is an excellent place to work, study or pursue your love of research. The department is dedicated to a core set of values: excellence in teaching and research, respect for all members of the Department and University, diversity in our students, faculty and staff, and service to the citizens of the world.

MORE INFORMATION ABOUT THE DEPARTMENT OF CHEMISTRY (https://science.psu.edu/chem)

Department of Mathematics

The Mathematics Department is a thriving research and teaching community of faculty, undergraduate and graduate students, and postdoctoral researchers. The department is committed to excellence in mathematics instruction for all Penn State undergraduates, and houses the Mathematics bachelors, masters, and doctoral degrees. The Department is housed in the newly renovated McAllister Building on the University Park Campus, and it is one of the few in the nation with a physical laboratory where research and educational laboratory experiments are conducted.

MORE INFORMATION ABOUT THE DEPARTMENT OF MATHEMATICS (https://science.psu.edu/math)

Department of Physics

The Department of Physics is home to innovative scientists, inspiring teachers, creative students, and accomplished alumni making exciting discoveries at the frontiers of knowledge. According to a multi-year study released by the National Research Council (NRC) in 2010, the Department of Physics is in the top echelon of physics departments in the United States. Developments in science and technology move very fast, the undergraduate and graduate degrees in Physics provide the fundamental tools with which to attack the scientific and technological problems of the next millennium.

MORE INFORMATION ABOUT THE DEPARTMENT OF PHYSICS (https://science.psu.edu/physics/undergraduate)

Department of Statistics

The Department of Statistics is committed to teaching the theory and practice of statistics to undergraduate and graduate students and to conducting original research. Our world-renowned faculty are members of international collaborations making significant discoveries that will make life better throughout the world. Penn State Statistics has recently been ranked among the best programs in the nation according to the National Research Council.

MORE INFORMATION ABOUT THE DEPARTMENT OF STATISTICS (https://science.psu.edu/stat)

Premedical Professions Programs

The Premedical Professions Programs are the academic home for undergraduate students interested in pursuing professional careers in medicine and related health professions. The programs include the undergraduate major Premedicine and the accelerated Premedicine-Medicine program. In addition, the program's advisers provide academic and career counseling for all students, regardless of their major, who wish to apply to medical schools and professional health programs.

PreMedical Medical Program

MORE INFORMATION ABOUT THE PREMEDICAL MEDICAL PROGRAM (https://science.psu.edu/interdisciplinary-programs/premed-med-bsmd)

Premedical Program

MORE INFORMATION ABOUT THE PREMEDICAL PROGRAM (https://science.psu.edu/interdisciplinary-programs/premedicine)

Science B.S. Programs

The Science B.S. Programs are the academic home for undergraduate students interested in pursuing broad, integrative studies in science. The program includes the general science major (Integrative Science B.S.) as well as the accelerated Science/MBA program for students interested in leadership positions in science and technology industries.

Integrative Science B.S. Program

MORE INFORMATION ABOUT THE INTEGRATIVE SCIENCE B.S. PROGRAM (https://science.psu.edu/interdisciplinary-programs/integrative-science-bs)

Science B.S./M.B.A. Program

MORE INFORMATION ABOUT THE SCIENCE B.S./M.B.A. PROGRAM (https://science.psu.edu/interdisciplinary-programs/bsmba)