Welcome to the Charles E. Schmidt College of Science at Florida Atlantic University. The Charles E. Schmidt College of Science provides educational and research opportunities for more than 4,500 undergraduate and more than 500 graduate students from around the world, through the departments of biological sciences, chemistry & biochemistry, geosciences, mathematical sciences, physics and psychology.

The college offers a post-baccalaureate certificate program in pre-health professions for students who have a bachelor’s degree but have since decided to pursue a career in medicine, dentistry or veterinary medicine.

- Comprehensive support for students interested in pursuing a career in medicine, dentistry or veterinary medicine has led to a 80% acceptance rate of students utilizing the Pre-Health Professions Office.
- FAU’s partner organization, Harbor Branch Oceanographic Institute, provides opportunities for students interested in marine science to spend a “Semester by the Sea” at Harbor Branch.
- Biotechnology partnerships have been formed with Scripps Florida, the Max Planck Florida Institute and the Torrey Pines Institute for Molecular Studies.
- Physics majors can take classes via distance learning with the Los Alamos National Lab.
- Master’s and doctoral degrees are offered by all of the departments in the college.
- Exceptional students may earn both the BS and MS in 5 years in programs in Biological sciences and Mathematics

- Biological Sciences
- Chemistry
- Chemistry (Biochemistry emphasis)
- Geology
- Geography
- Mathematics
- Physics
- Psychology
- Neuroscience and Behavior biology, geography, geology, mathematics, statistics and psychology.

environmental studies, biotechnology, statistics, actuarial science, geographic information systems, advanced geographical information systems and pre-health professions.

For more information, write or call:
Charles E. Schmidt College of Science
777 Glades Road
P.O. Box 3091
Boca Raton, FL 33431
561.297.3700
561.297.3386 (fax)

Check out the Charles E. Schmidt College of Science web page: www.science.fau.edu

Helpful Links
Office of Undergraduate Admissions
www.fau.edu/admissions
Office of the Registrar
www.fau.edu/registrar
Financial Aid
www.fau.edu/finaid
Scholarships
www.fau.edu/admissions and click on “Scholarships”
Housing and Residential Life
www.fau.edu/housing
Office for Students with Disabilities
www.osd.fau.edu
Office for Student Orientation
www.fau.edu/orientation
Center for Learning and Student Success (CLASS)
www.fau.edu/CLASS
Learning Community Programs
www.fau.edu/LearningCommunity
FAU Athletics
www.fausports.com
Admissions Policy

The undergraduate applicant for admission to the Charles E. Schmidt College of Science must meet the general freshman or transfer admissions requirements of the University. In addition, the student should consider the list of science and mathematics courses required and recommended by the major department of choice in planning a lower-division program. Students transferring to the University with an A.A. degree should observe the common prerequisites required for the various majors in the college. One year of university-level foreign language is required for graduation with all degrees in the college and it is recommended that this be completed within the first two years.

Departments

The Department of Biological Sciences consists of 28 faculty members, approximately 165 graduate students and 2,600 undergraduate major. Biological sciences is the largest undergraduate major at FAU and the courses serve both majors and non-majors in thousands of hours of instruction. The department offers a wide variety of programs for undergraduate and graduate student research that lead to various careers in biology. The degree programs involve cross-disciplinary, multilevel approaches to education and research in biology, biochemistry and molecular medicine. Current faculty strengths are in chemistry, biophysical chemistry, biochemistry and bioinformatics. The research conducted by faculty in the program contributes to fields such as synthetic chemistry, biochemistry, physical chemistry, natural products, drugs from the sea, biomedical science, environmental science, molecular biology, proteomics and bioinformatics. The research activities are supported by a state-of-the-art instrumentation and drug-discovery core facility.

The Department of Chemistry & Biochemistry houses 18 faculty members and instructors engaged in teaching and research involving more than 40 graduate students and 300 undergraduate majors. Courses serve both majors and non-majors. The department offers a wide variety of programs for undergraduate and graduate student research that lead to various careers in chemistry. The degree programs involve cross-disciplinary, multilevel approaches to education and research in chemistry, biochemistry and molecular medicine. Current faculty strengths are in chemistry, biophysical chemistry, biochemistry and bioinformatics. The research conducted by faculty in the program contributes to fields such as synthetic chemistry, biochemistry, physical chemistry, natural products, drugs from the sea, biomedical science, environmental science, molecular biology, proteomics and bioinformatics. The research activities are supported by a state-of-the-art instrumentation and drug-discovery core facility.

The Department of Geosciences offers undergraduate and graduate degrees in various subfields of the geosciences. The three main areas of focus in the department are earth systems science, human-environmental systems and geo-information science. The department offers B.A. and B.S. degrees in both geography and geology, an M.A. degree in geography, an M.S. degree in geology and a Ph.D. degree in geosciences. Research specialties have been developed in hydrogeology, paleontology and paleo-environments, human-environmental modeling, and urban and regional development. The department places a strong emphasis on fieldwork, GIS, remote sensing and other analytical techniques in geospatial modeling and encourages interdisciplinary research.

The Department of Mathematical Sciences has internationally recognized research faculty active in pure and applied algebra and analysis, biomathematics, bioinformatics, combinatorics, geometry, dynamical systems, cryptology and information security, mathematics education, and probability and statistics. The department offers the B.A. and B.S. degrees in mathematics, as well as an M.S., M.S. in teaching and Ph.D. in mathematics. Opportunities exist for motivated students to earn certificates in actuarial science or statistics, as well as a minor in statistics. Exceptional students may be admitted into a 5 year BS-MS program.

The Department of Physics offers undergraduate programs leading to both B.A. and B.S. degrees. The B.A. program offers a specialization in physics for students desiring a general cultural education, while the B.S. program prepares the student for graduate study in physics. Flexibility in electives also makes it possible to combine a physics major with a concentration in other areas such as acoustics, materials science, oceanography, premedical science, biology, chemistry, computer science, mathematics, or business. The department also offers an M.S., M.S. in teaching, an MS in medical physics and Ph.D. in physics. Graduate students also have the opportunity to earn a certificate in medi cal physics. The department is active in research in biological and materials physics, spacetime theory, quantum physics and complex systems.

The Department of Psychology consists of 27 research-active faculty members and about 60 graduate students and 1300 undergraduate majors. The department offers a B.A., M.A. and Ph.D. in psychology, with specialization in cognitive psychology, developmental psychology, neuroscience and social psychology. Undergraduate and graduate students receive training by world-renowned faculty in these areas. Students can also pursue a B.S. in Neuroscience and Behavior, with concentrations in animal behavior/behavioral ecology, behavioral neuroscience or cellular neuroscience.