Vision Statement
Our vision is to be recognized for interdisciplinary educational and research programs in science, and to be a leader in the international academic community.

Mission Statement
The mission of the Charles E. Schmidt College of Science is:

- To provide excellence in both disciplinary and interdisciplinary science education for our students,
- To apply the power of inquiry and discovery to fundamental problems of scientific importance,
- To find solutions to societal challenges in a culture of research, partnership, and scholarship, and
- To develop internationally recognized research and instructional programs to meet the needs of the region, the nation, and the global community.

COLLEGE ADMINISTRATION
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QUICK FACTS 2013-14 WWW.SCIENCE.FAU.EDU

Academic Programs and Statistics
The Charles E. Schmidt College of Science, named in honor of one of Florida Atlantic University’s greatest benefactors, is the primary source of science research and education for more than three million people living and working in our service region of Southeast Florida. Through its academic departments and research centers, the College provides outstanding academic programs for both undergraduate and graduate students to earn degrees that will lead to a rewarding career in academia, government, or industry.

Total Headcount Majors
Undergraduate 5,834
Graduate 474

Degrees Awarded
Undergraduate 889
Masters 84
PhD 27

Undergraduate Majors Enrolled
Male 1,967
Female 3,867
White 42%
Non-White 58%

Graduate Majors Enrolled
Male 240
Female 234
White 60%

* FTE = full-time equivalent

Total Annualized FTE*
Undergraduate 4,047
Graduate 195

Faculty
Tenured/Tenure Track 102
Non-Tenure Track 44

Staff
Administrative 46
Technical 19

Degree Programs
All academic programs are accredited by the Southern Association of Colleges and Schools (SACS).

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<th>Discipline</th>
<th>BA</th>
<th>BS</th>
<th>BS/MS</th>
<th>MA</th>
<th>MST</th>
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Certificate Programs
- Actuarial Science
- Biotechnology
- Environmental Restoration
- Environmental Studies
- Geographic Information Systems
- Medical Physics
- Neuroscience
- Pre-Health Professions
- Pharmacy Technology
- Remote Sensing
- Statistics
Research

Research in the College is interdisciplinary with emphasis in biotechnology, bioinformatics, cryp-
tology, developmental systems, drug discovery, dynamical systems, environmental sciences and
Everglades restoration, functional genomics, geo-information science, marine science, natural
products, neuroscience, and space-time physics. Major funding comes from federal, state, foun-
dations, and industry. Annual sponsored research funding exceeded $5.1 million with 54 awards
in 2013-14. The College averages over 250 peer-reviewed publications each year.

FAU Research Priorities:
The College leads research efforts in two of the three FAU
Signature Themes—Marine and Coastal Issues, and
Biotechnology.

Environmental Sciences: FAU’s research is focused primarily on
the Everglades, climate change, and marine biology.

Neuroscience: FAU’s brain research revolves around understanding the principles and mecha-
nisms that underlie complex behavior, and understanding of sub-cellular processes in neurons,
brain signal integration, and cognitive function.

Global Networks Security: FAU scientists are working on understanding global information
networks and how to protect them through cryptology and other information security tools.

Collaborations:
Active research collaboration with outside partners and industry is a College priority. Scientists
from research institutes such as Scripps Florida, Max Planck Florida Institute, Vaccine Gene Ther-
apy Institute, Torrey Pines Institute for Molecular Studies and the Harbor Branch Oceanographic
Institute, biotech industries, the South Florida Water Management District, and the US Geologi-
cal Survey are associated with the College as affiliate faculty. They participate in College pro-
grams through joint projects/grants, shared instrumentation, guest lectures, as well as hosting
graduate students and undergraduate internships.

Technology Transfer and Licensing:
The College actively pursues faculty inventions for commercialization, licensing, and faculty
spinoffs.

Core Instrumentation:
The College’s core instruments include cluster computers,
fluorescent-activated cell sorter, mass spectrometer,
astronomical telescope, nuclear magnetic resonance
spectrometer, high performance liquid chromatography,
peptide synthesizer, real time PCR, and confocal imaging
microscopes.

Community Engagement

- Frontiers in Science Public Lecture Series: Lectures focusing on current research in science by ex-
  perts in their field.
- Science Olympiad Regional Competition: A day-long regional science competition for middle and
  high school students that serves as the first step in moving on to the state and national competitions.
- Elementary Science Olympiad:
- FAU Math Days: A series of events and competitions designed to increase interest in mathematics
  from elementary through high school levels.
- Pumpkin Drop: FAU physics professors demonstrate common physics principles such as constant
  acceleration of gravity, terminal velocity and Newton’s Laws to elementary school students by drop-
  ping pumpkins from a roof top to celebrate Halloween.
- FAU Observatory: Monthly open dome viewings are offered for the community.

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