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.

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.

<table>
<thead>
<tr>
<th>Total Headcount Majors</th>
<th>Undergraduate Majors Enrolled</th>
<th>Total Annualized FTE*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Undergraduate 6,059</td>
<td>Male 2,099</td>
<td>Undergraduate 3,948</td>
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<tr>
<td>Graduate 509</td>
<td>Female 3,968</td>
<td>Graduate 227</td>
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Degrees Awarded
Undergraduate 718
Masters 93
PhD 35

*FTE: full-time equivalent

Degree Programs
All academic programs are accredited by the Southern Association of...

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<tr>
<th>Discipline</th>
<th>BA</th>
<th>BS/BA</th>
<th>BS/MS</th>
<th>MA</th>
<th>MST</th>
<th>MS</th>
<th>PHD</th>
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<tbody>
<tr>
<td>Biological Sciences</td>
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<td>Chemistry and Biochemistry</td>
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<td>Complex Systems &amp; Brain Sciences</td>
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<td>Environmental Science</td>
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<td>Geosciences</td>
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<td>Neuroscience and Behavior</td>
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<td>Medical Physics</td>
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<td>Psychology</td>
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Certificate Programs
- Environmental Studies
- Environmental Restoration
- Medical Physics
- Neuroscience
- Biotechnology
- Geographic Information Systems
- Advanced Geographic Information Systems
- Actuarial Science
- Statistics
- Prehealth Professions
Research

Research in the College is interdisciplinary with emphasis in biotechnology, bioinformatics, cryptology, 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, foundation and industry. Annual sponsored research funding exceeds over $4.8 million with 79 awards in 2012-13. The total number of peer reviewed publications during this period was over 250.

FAU Research Priorities:
The College leads the University’s research efforts in two of the three University-wide Research Priority Themes, these include Climate Change and Neuroscience.

Jupiter Science Initiative:
The College is embarking on strengthening the biotech initiatives at the MacArthur Campus in Jupiter. Focusing on neuroscience and drug discovery, this effort involves faculty and graduate students across the College. A joint Ph.D. program in Integrative Biology and Neuroscience (IBAN) with the Max Planck Florida Institute provides a strong magnet to attract top students. The Center for Molecular Biology and Biotechnology on the Jupiter campus provides a critical link to local biotech companies.

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 Therapy Institute, Torrey Pines Institute for Molecular Studies and the Harbor Branch Oceanographic Institute, biotech industries, the South Florida Water Management District and the US Geological Survey are associated with the College as affiliate faculty. They participate in College programs 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 Colleges 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.

Science Advisory Board

The Charles E. Schmidt College of Science Advisory Board is an independent support organization providing support and assistance to the College whose mission is to advise the College regarding its progress and interactions with individuals, corporations, and agencies external to FAU and to develop, plan and facilitate specific targeted activities that advance the College’s goals through outreach to them.

Board Chair
Claire Thuning-Roberson PhD

Development/Outreach Committee
Public/Private Partnerships

Community Engagement

- **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**: Science competition for 3-5 graders.
- **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 dropping pumpkins from a roof top to celebrate Halloween.