

OVERVIEW

From the College's start in 1965 with the first degree program in ocean engineering, the College of Engineering and Computer Science has grown to encompass degree programs in nine technical disciplines. With 2,832 undergraduate students, 481 graduate students, and 145 faculty and staff, the College ranks nationally as a mid-sized college of engineering.

Known for strong teaching and advising, diversity of the student body, K-12 outreach programs, collaborations with business and industry, and quality and quantity of research, the College intends to be an institution of choice in the southeast region of the United States.

In 2011 the College completed construction of Engineering East, a 97,000-square-foot building on the Boca Raton campus, which is the first higher education academic building in southeast Florida designed and built to LEED (Leadership in Energy and Environmental Design) Platinum level standards. Engineering East serves as a living-learning laboratory for sustainable development. Included in the laboratory is access

to the data collected by several different sensor technologies embedded throughout the building. Information regarding the photovoltaic (solar) energy created, energy consumed, geothermal well water temperatures, temperature indicators and many other systems data are collected and available for all to research and study.



The College consistently encourages innovative and critical thinking in the bachelor's, master's and doctoral degree programs. The College's Innovation Leadership Honors Program (ILHP) provides a select group of students with enhanced background and training in innovation, entrepreneurship, leadership, sustainability and communication.

ACADEMIC PROGRAMS AND STATISTICS

PROGRAMS AND DEGREES

Twenty-one degree programs are offered by the College on the FAU Boca Raton campus.

Discipline	G.C.	B.S.	M.S.	Ph.D.
Big Data Analytics	•*			
Bioengineering	•		•	
Civil Engineering		•	•	• <sup>1</sup>
Computer Engineering		•	•*	•
Computer Science		•*	•*	•
Corrosion	•			
Cyber Security	•*			
Electrical Engineering		•	•**	•
Environmental Engineering		•		
Geomatics Engineering		•		
Information Technology & Mgmt.			•	
Marine Engineering Mgmt.	•			
Mechanical Engineering		•	•	•
Ocean Engineering		•	•	•
Offshore Engineering	•			
Transportation Engineering	•			

G.C. – Graduate Certificate; <sup>1</sup>Planned  
\* Fully Online Program Option Available; \*\*Partial Online Program Option Available

Undergraduate programs are accredited through the Accreditation Board for Engineering and Technology (ABET). All academic programs are also accredited by the Southern Association of Colleges and Schools (SACS).

COLLEGE GRADUATE STATISTICS

University surveys of our most recent graduates show that 70 percent of them plan to continue to live and work in Florida; 17 percent of them plan to continue their education, now or in the future.

In 2017-2018, 420 students graduated with their bachelor's degree and more than 153 students graduated with their master's and doctoral degrees from the College.



With 56 percent of its student body classified as minority or international students, FAU ranks as the most racially, ethnically and culturally diverse institution in Florida's State University System.

PARTNERING WITH BUSINESS AND INDUSTRY

Active collaboration and partnering with business and industry is a College priority. Possibilities include:

- Internship/cooperative education and permanent placement opportunities for students.
- Employee involvement as adjunct faculty, research affiliates or as participants and speakers in classes, seminars and/or student professional societies.



- Participation/support for student design projects.
- Research/development and tech-transfer projects involving students and/or faculty.
- Customized training and professional development courses/activities by college faculty.
- Summer employment/consulting by college faculty.
- Joint research/development proposals.
- Participation in government sponsored industry/university cooperative research center.
- In-college industry/university research collaboration.

## RESEARCH AND COLLEGE PROGRAMS

### RESEARCH

The College has extensive research programs funded by business, industry and government. These initiatives are the hallmark of the College.

### RESEARCH CENTERS

Eleven research centers provide focus for College research activities:

- Center for Acoustics and Vibrations
- Center for Advancement of Distance Education Technologies
- Center for Hydrodynamics and Physical Oceanography
- Center for Infrastructure and Constructed Facilities
- Center for Intermodal Transportation Safety and Security
- Center for Marine Materials
- Center for Marine Structures and Geotechnique
- Center for Systems Integration
- Freight Mobility Research Institute
- NSF Industry/University Cooperative Research Center for Advanced Knowledge Enablement
- SeaTech - The Institute for Ocean and Systems Engineering



### INTERNSHIPS/CO-OPS



Students can gain practical work experience in their disciplines prior to graduation. The College works with business, industry and government to arrange internships, traditional cooperative education and permanent placement opportunities for undergraduate and graduate students.

### eLEARNING

There are many ways that students can receive instruction, including face-to-face, hybrid and online.



## COLLEGE CONTACT INFORMATION

### COLLEGE OF ENGINEERING & COMPUTER SCIENCE

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