

## OVERVIEW

The FAMU-FSU College of Engineering, established by the Florida Legislature in 1982, is the joint engineering school for Florida A&M and Florida State universities, the only shared college of engineering in the nation. Our central engineering campus is enriched by our adjacent, associated research centers and a national laboratory.

This unique collaboration between the nation's top Historically Black University and a Top-20, Tier-1 research institution make the FAMU-FSU College of Engineering a place to hone cutting-edge engineering skills. Our researchers and graduate students benefit from the rich intellectual heritage of both universities. They also enjoy access to both nationally recognized institutions' assets and capabilities to enrich their work.

## DIFFERENTIATORS

- > The FAMU-FSU College of Engineering earned a Bronze award and Exemplar status from the American Society of Engineering Education (ASEE) in the inaugural year of the ASEE Diversity Recognition Program.
- > The FAMU-FSU College of Engineering has been widely hailed for taking the initiative to create programs to align academic curriculum with industry needs.
- > We offer Bachelor of Science (B.S.) programs in chemical, civil, computer, electrical, industrial, biomedical and mechanical engineering as well as M.S. and Ph.D. programs. We have attracted an outstanding faculty from all over the world. Our graduates are a diverse group of engineers from many races, ethnicities and nationalities.
- > The college's racial, ethnic and gender diversity exemplifies the future engineering and high-tech workforce to a degree not found at most other engineering schools. Employers value our graduates for their engineering skill set and the soft skills that make them better employees to work in culturally diverse, modern teams.

## PAST PERFORMANCE

Our students and faculty have achieved many notable milestones, including these from recent years:

- > Dozens of early career faculty grants including YIP, NSF CAREER, DARPA
- > Generating the highest total proportion of annual patent applications at either FAMU or FSU
- > Several NSF Graduate Research Fellows
- > Multiple faculty inducted into the National Academy of Inventors and American Association for the Advancement of Science
- > 11% undergraduate enrollment increase over past four years
- > Masters enrollment increased by 85% since 2018
- > Ph.D. enrollment has increased by 30% over past five years
- > Both the research expenditures and the value of contracts and grants in FY2022 are the highest on record

## CORE COMPETENCIES & CAPABILITIES

- > Biomaterials
- > Cellular & Tissue Engineering
- > Imaging and Spectroscopy
- > Nanoscale Science & Engineering
- > Plasma & Reaction Engineering
- > Polymers & Complex Fluids
- > Sustainable Materials & Resilient Structures
- > Intelligent Mobility & Community Resilience
- > Sustainable Environment
- > Computer Engineering
- > Electronics
- > Energy & Power Systems
- > Systems & Signals, Control, Communication
- > Applied Optimization
- > Healthcare Engineering
- > Advanced Materials Manufacturing
- > Thermal & Fluid Systems
- > Mechanical Systems
- > Mechanics & Materials
- > Dynamic Systems
- > Engineering Design

