



Our Students

DEGREES AWARDED IN 21-22

BS	415
MS	90
PhD	35

STUDENT POPULATION 2022

Total students	2,919
Undergraduates	2,449
Graduate students	470

Graduate enrollment
increase since 2013

75%

Graduate enrollment
increase since 2019

44%

Undergraduate enrollment
increase since 2019

11%



UNDERGRADUATE PROGRAM

- > FAMU-FSU College of Engineering has **29% female** students (total), versus the 24.6% national average.
- > The college has **20% Black** students, compared to the national average of 5.4%.

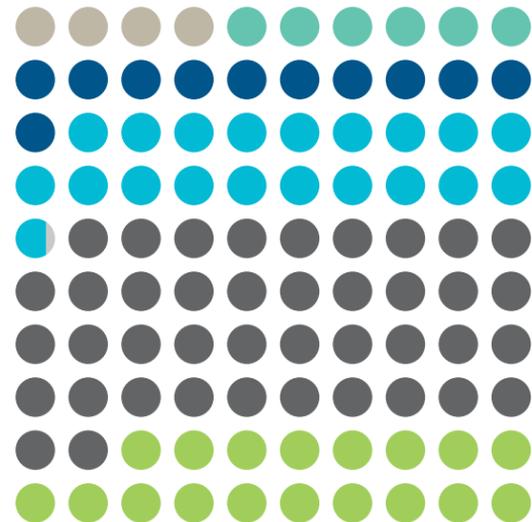
GRADUATE PROGRAM

- > **40%** of PhD graduates in 2022 were female.
- > Domestic URM represented **55%** of 2021-2022 PhD graduates.

STUDENT POPULATION BY RACE

Graduate & Undergraduate, 2022

Asian&PI Other Non-Resident Black White Hispanic Nat.Am.



FAMU-FSU Engineering
2525 Pottsdamer Street
Tallahassee FL 32310

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THE JOINT COLLEGE OF ENGINEERING FOR
FLORIDA A&M AND FLORIDA STATE UNIVERSITIES



One college,
two universities,
unlimited opportunity.

The FAMU-FSU College of Engineering is the joint engineering institution for Florida A&M and Florida State universities, the only such shared college in the nation. We are located less than three miles from each campus. After satisfying prerequisites at their home university, students learn together at the central engineering campus with its adjacent, nationally-renowned associated research centers and a national laboratory.

Leading Future Engineers with DIVERSITY | SERVICE | TRADITION | RESEARCH



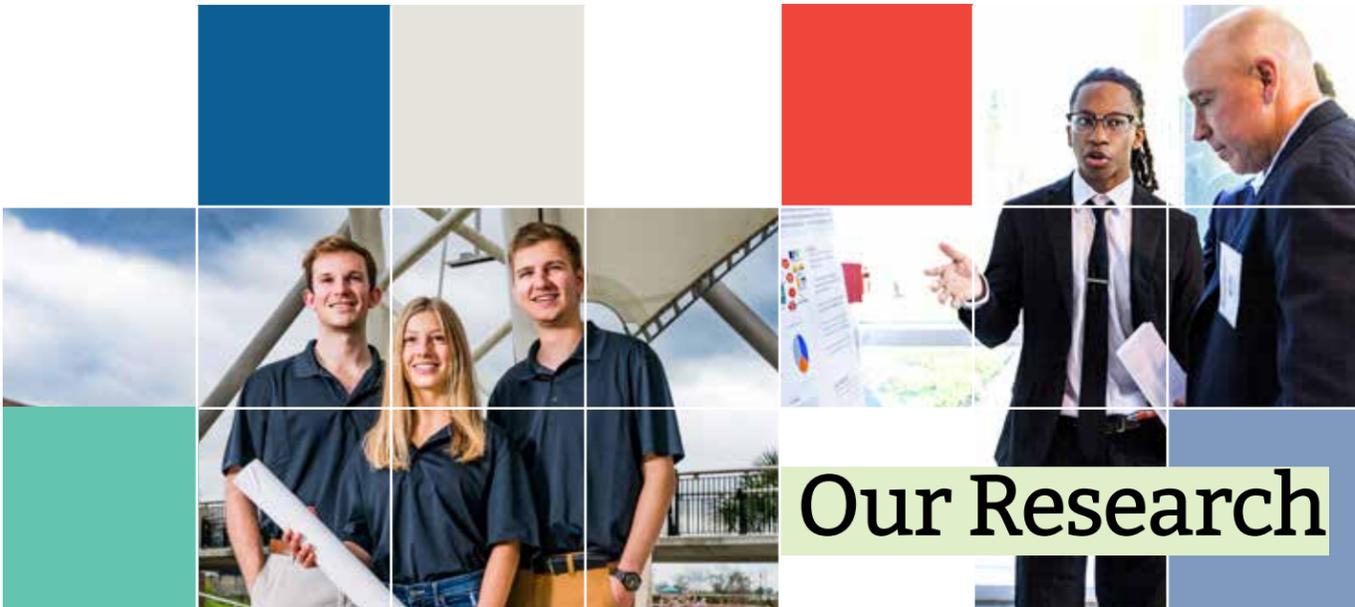
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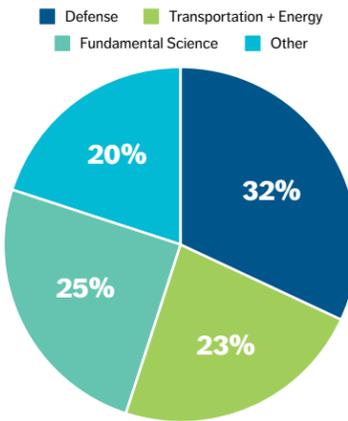
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Our Research

RESEARCH AREAS

By type, FY2022, reported to ASEE



Sixteen research centers and labs operate via the joint college, including:

AERO-PROPULSION, MECHATRONICS, AND ENERGY CENTER (AME)

The AME Center serves as an incubator for cross-disciplinary research involving researchers in the three core research areas, as well as faculty and scientists from mechanical engineering, electrical and computer engineering, civil and environmental engineering, and other STEM disciplines.

APPLIED SUPERCONDUCTIVITY CENTER (ASC)

ASC advances the science and technology of superconducting magnets, working from atomic scale fundamentals, through complex conductors to construction of the highest field superconducting magnets yet made. ASC has comprehensive laboratories for superconductor fabrication, superconducting property and microstructural evaluations, and magnet construction and testing.

CENTER FOR ADVANCED POWER SYSTEMS (CAPS)

CAPS is a multidisciplinary research center organized to perform basic and applied research to advance the field of power systems technology with emphasis on application to electric utility, defense and transportation. Its core competencies are power systems modeling, analysis and control in the context of real-time digital simulators, power electronics, electrical machines and drive systems, superconductivity and thermal systems analysis.

HIGH-PERFORMANCE MATERIALS INSTITUTE (HPMI)

The multidisciplinary High-Performance Materials Institute (HPMI) performs research for emerging advanced composites, nanomaterials, multifunctional materials and devices, and advanced manufacturing. The center has four primary technology areas: high-performance composite and nanomaterials, structural health monitoring, multifunctional nanomaterials, advanced manufacturing and process modeling.

NATIONAL HIGH MAGNETIC FIELD LABORATORY (MAG LAB)

The Mag Lab generates the world's highest DC magnetic fields. Engineering researchers in the Mag Lab have projects involving very low temperature science and technology, cooling superconducting magnets, materials science, chemical and biomedical engineering research involving highly-powerful magnetic imaging techniques.

RESILIENT INFRASTRUCTURE & DISASTER RESPONSE CENTER (RIDER)

The RIDER Center promotes all-inclusive and equitable disaster resilience for vulnerable populations and probes the underlying causes of disaster vulnerability in communities. This is done while accounting for infrastructure characteristics and social needs using computational methods such as machine learning, causality, and regression models.

>> We also host multiple **NSF HBCU** programs, including CREST, TIP, EIR (7) and MRI.

Message from the Dean



It's been an exhilarating five months at the college. I have learned a lot about the research, education and service we perform. In this year's Engineering Dean's Report, I wanted to share some facts and figures for the year in retrospect. What the numbers fail to capture is the strength of the community here and the palpable sense of optimism. We are about to take the next bold step in our relatively short but remarkable history as the only joint college of engineering in the country shared by two haloed institutions of public higher education. I hope you enjoy the report.

Wishing you all the best in 2023!

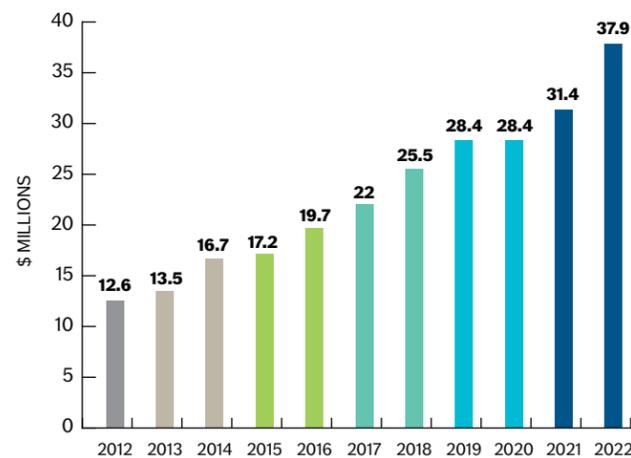
Suvranu De

Suvranu De, Sc.D.

Dean, FAMU-FSU College of Engineering

RESEARCH EXPENDITURES

In millions of dollars, FY2022, reported to ASEE



DEPARTMENTS & CHAIRS

Chemical & Biomedical Engineering
Bruce Locke, Ph.D.

Civil & Environmental Engineering
Lisa Spainhour, Ph.D., P.E.

Electrical & Computer Engineering
Sastry Pamidi, Ph.D., M.B.A.

Industrial & Manufacturing Engineering
Changchun "Chad" Zeng, Ph.D.

Mechanical Engineering
William Oates, Ph.D., P.E.

FAMU-FSU ENGINEERING AT A GLANCE

> **Founded** in 1982 as the engineering research/education college for FAMU and FSU

> **Student population:** More than 2900 in Fall 2022, including 2449 undergraduates and 470 graduate students

> **Faculty:** 132 total faculty, including tenured, teaching and research engineers

> **Academic departments:** 5

> **Alumni:** More than 9,800

> **Research centers & labs:** 16



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