

As a member of one of the country's top-tier research universities, the **College of Engineering & Computing (CEC)** is actively engaged in cutting-edge studies and education and is home to top-level research laboratories and facilities. CEC has three schools — Moss School of Construction, Infrastructure and Sustainability; Knight Foundation School of Computing and Information Sciences; School of Universal Computing, Construction & Engineering Education — and six departments — Biomedical Engineering; Civil and Environmental Engineering; Electrical and Computer Engineering; the Moss Department of Construction Management; Enterprise and Logistics Engineering, and Mechanical and Materials Engineering.

#13

in the nation for undergraduate engineering enrollment

#29

in the nation for bachelor's degrees awarded to women

#35

in best online master's in engineering by the *U.S. News and World Report*

#1

in the nation for bachelor's degrees awarded to Hispanic students

CEC BY THE NUMBERS

#3

in the nation for bachelor's degrees awarded to Black/African American students

#20

in the number of bachelor's degrees awarded

#40

in engineering and technology by the *QS World University Rankings*

124

Number of Tenure/Tenure-Track Faculty

25

NSF CAREER Award Recipients

7

National Academy of Inventors

1

Presidential Early Career Award for Scientists and Engineers (PECASE) Award Recipient

More than **9,100 students**, including more than **1,200 graduate students**

Knight Foundation School of Computing and Information Sciences

#1

in Affordable online computer programming degrees by *Intelligent.com*

#4

in best on-campus master's in data science for AI or Machine Learning by *MastersinAI.org*

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FIU Knight Foundation
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FIU Engineering
& Computing

FIU's Knight Foundation School of Computing and Information Sciences (KFSCIS) is the premier public research school of computing and information sciences in South Florida; KFSCIS champions excellence by driving innovation through advanced research, education, training, and technology development. We are the second-largest engineering and computer science degree-awarding program in the U.S. The school provides a talent pipeline for Google, Microsoft, UKG, and other Fortune 500 Companies and supplies the technology talent workforce fueling South Florida's burgeoning technology growth.



KFSCIS Students in the Hardware Lab

RESEARCH

KFSCIS faculty pursues diverse research and technology transfer to advance computer science and IT. Researchers take a multi-disciplinary approach to solving highly complex problems and apply innovative solutions. They apply innovative solutions in AI, ML, bioinformatics, data science, quantum computing, cybersecurity, forensics, software engineering, blockchain, telecommunications, networking, narrative, and cognition. KFSCIS embraces traditional CS foundations as well as emerging fields like computational science, bioinformatics, robotics, IoT, AR/VR, social networks, and quantum computing.

FACULTY

Our esteemed faculty comprises world-renowned leaders in research and education. They hold affiliations with prestigious organizations, including Fellows of IEEE, ACM, AAAS, NAI, AIMBE, and the European Academy of Sciences and Arts. They have made substantial contributions to their respective fields and received numerous accolades, including PECASE, NSF and DOE CAREER Awards, DARPA Young Faculty Award, ACM Karl V. Karlstrom Outstanding Educator Award, ACM Distinguished Scientist Awards, IEEE Computer Society Taylor Booth Award and Distinguished Contributor Award, and ACM SIGCSE Award for Outstanding Contribution to CS Education. Their exceptional scholarly contributions are also celebrated through lifetime achievement awards, test of time awards, and honorary doctorates.

PARTNERSHIPS

KFSCIS collaborates globally with institutions and companies for joint research, R&D projects, publications, and student training. Our academic partners include numerous institutions of higher education in the U.S. and across the globe, including the Indian Institute of Science, UFSCar, UNICAMP, and Poznan University of Technology. We collaborate with renowned research labs such as MIT Lincoln Laboratory and several national laboratories—Argonne, Lawrence Livermore, Sandia, Los Alamos, and Oak Ridge. Industry partnerships with Meta, Google, Microsoft, IBM, Intel, Samsung, UKG, and others strengthen the talent pipeline and provide excellent internship and employment opportunities for our graduates.

GRADUATE DEGREES OFFERED

- Ph.D. Computer Science
- M.S. Computer Science
- M.S. Cybersecurity
- M.S. Data Science and Artificial Intelligence
- M.S. Information Technology

ACCELERATED BACHELOR'S/ MASTER'S PATHWAYS

The Combined B.S. and M.S. program is an accelerated program designed for outstanding undergraduate students currently enrolled in the college who wish to pursue their M.S. and their B.S. degree simultaneously.

RESEARCH HIGHLIGHTS

- Cybersecurity & Digital Forensics
- Artificial Intelligence & Data Science
- Bioinformatics & Computational Biology
- Memory & Storage Systems

GRADUATE RESEARCH OPPORTUNITIES

Students can pursue exciting research opportunities in:

- intelligent systems, including artificial intelligence, machine learning, neural networks, affective computing, robotics, and bioinformatics.
- cybersecurity, including trustworthy computing, sensors, computer networks, and wireless communications.
- systems, including storage, real-time systems, performance modeling, and flash memory

FACILITIES

Integrated Computer Augmented Virtual Environment (I-CAVE): An open laboratory dedicated to creating virtual reality experiences for research, creative projects, learning exploration and data visualization

FIU Discovery Lab: Designed to mentor and assist student teams engaged in creating innovative solutions to challenging societal problems



KFSCIS students at the Capstone Project demonstrating their innovative solutions to business and industry representatives



Professor Gregory Reis describes his underwater research work to several interested students



KFSCIS's Integrated Computer Augmented Virtual Environment (iCave) students work with Coral Gables Fire Rescue on a VR training simulation

POINTS OF PRIDE

8

NSF CAREER Award winners

3

ACM Distinguished Educators/Scientists

3

IEEE Fellows



KFSCIS is home to cutting-edge research, award-winning faculty, talented students, and groundbreaking research laboratories. KFSCIS brings together world-class research infrastructure and global expertise to develop innovative technologies with wide-ranging social and scientific impact. We have experienced 126% growth in student enrollment over the past 10 years, making us one of the fastest-growing schools in the university.