One of the largest universities in the nation, UCF has experienced unprecedented growth in students and faculty in the past decade. The College of Engineering and Computer Science is leading this growth, with approximately 80 new faculty hired in a variety of areas, including emerging research areas of national and global importance: Cyber Security and Privacy; Data Analytics and Big Data, Power Systems and Smart Grid; Smart Prosthetics; Coastal Research; Catalysis and Propulsion; Science of Learning; Disability and Aging Technology; Smart Cities.

Through fellowships and assistantships, the college annually supports nearly 500 Ph.D. students in its six academic departments, of which 100 are new incoming Ph.D. students every year.

SELECT RESEARCH STRENGTHS BY DEPARTMENT

Civil, Environmental, and Construction
Transportation, Structural Health Monitoring, Water Quality, Smart Cities

Computer Science
Computer Vision, VR/AR, Human-Computer Interaction, Artificial Intelligence, Machine Learning

Electrical and Computer Engineering
Cyber Physical Systems; Devices and Sensors; Communications and Signal Processing; Power Grid Technology and Resiliency

Industrial Engineering and Management Systems

Materials Science and Engineering
Manufacturing (Micro, Nano, Additive), Smart and Electronic Materials, Biomedical Materials and Devices, Energy Materials, Sensors

Mechanical and Aerospace Engineering
Advanced Turbomachinery and Energy Research, Thermal Fluids, Biomedical, Mechanical Systems

Visit department websites for all research areas and faculty information.

FOR MORE INFORMATION
cecs.ucf.edu/graduate-programs-resource-center/

TO APPLY
Interested doctoral students can apply online at application.graduate.ucf.edu
UCF AND COLLEGE RANKINGS

• Nation’s #1 workforce supplier to aerospace and defense industry (Aviation Week)
• Top producer of engineers and computer scientists nationally
• Ranked as one of the nation’s most innovative universities by U.S. News & World Report 2019
• National champion Cyber Defense Team (2014, 2015, 2016, 2018)
• Top-ranked Computer Programming Team: #1 in the North America and #10 in the world out of 13,000+ regional teams; and U.S. Southeast regional champions for six consecutive years.

For more information about the COLLEGE OF ENGINEERING & COMPUTER SCIENCE see <<<cecs.ucf.edu>>>