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 nearly 100 new faculty hired in 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, including 100 new Ph.D. student positions recently added.

SELECT RESEARCH STRENGTHS BY DEPARTMENT

Civil Environmental and Construction
Transportation, Structural Health Monitoring, Water Quality cece.ucf.edu

Computer Science
Computer Vision, Virtual and Augmented Reality, Human-Computer Interaction, Artificial Intelligence, Machine Learning cs.ucf.edu

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

Industrial Engineering and Management Systems
Modeling and Optimization of Complex Networks, Complex Adaptive Systems and Data Analytics, Interoperability and Interactive Simulation Systems iems.ucf.edu

Materials Science and Engineering
Manufacturing (Micro, Nano, Additive), Smart and Electronic Materials, Biomedical Materials and Devices mse.ucf.edu

Mechanical and Aerospace Engineering
Advanced Turbomachinery and Energy Research, Thermal Fluids, Biomedical, Mechanical Systems mae.ucf.edu

Visit department websites for all research areas and faculty information.

FOR MORE INFORMATION
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 2018
• Three-time national champion Cyber Defense Team (2014, 2015, 2016)
• Top-ranked Computer Programming Team: #1 in the U.S. and #13 in the world out of 13,000 regional teams; and U.S. Southeast regional champions for six consecutive years.

OPPORTUNITY STARTS HERE

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

CONNECT

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 2018
• Three-time national champion Cyber Defense Team (2014, 2015, 2016)
• Top-ranked Computer Programming Team: #1 in the U.S. and #13 in the world out of 13,000 regional teams; and U.S. Southeast regional champions for six consecutive years.

CONTACT

Prof. Bassiouni
Associate Dean for Graduate Affairs
bassi@cs.ucf.edu

UNIVERSITY RESEARCH IMPACT

$136 million in research funding (FY 2017)

#21 ranking among public universities for number of patents

998 total patents secured

THIS IS BIG

Learn More About UCF
ucf.edu/this-is-big