

# ANNOUNCING FOR FALL 2019

## 100 NEW FUNDED PH.D. STUDENT POSITIONS

### IN THE COLLEGE OF ENGINEERING AND COMPUTER SCIENCE

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  
[cece.ucf.edu](http://cece.ucf.edu)

**Computer Science**  
Computer Vision, VR/AR, Human-Computer Interaction, Artificial Intelligence, Machine Learning  
[cs.ucf.edu](http://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](http://ece.ucf.edu)

**Industrial Engineering and Management Systems**  
Applied Operations Research, Network Science, Complex Adaptive Systems and Data Analytics, Interactive Simulation, Human Systems Integration  
[iems.ucf.edu](http://iems.ucf.edu)

**Materials Science and Engineering**  
Manufacturing (Micro, Nano, Additive), Smart and Electronic Materials, Biomedical Materials and Devices, Energy Materials, Sensors  
[mse.ucf.edu](http://mse.ucf.edu)

**Mechanical and Aerospace Engineering**  
Advanced Turbomachinery and Energy Research, Thermal Fluids, Biomedical, Mechanical Systems  
[mae.ucf.edu](http://mae.ucf.edu)

*Visit department websites for all research areas and faculty information.*

**FOR MORE INFORMATION**  
[cecs.ucf.edu/graduate-programs-resource-center/](http://cecs.ucf.edu/graduate-programs-resource-center/)

**TO APPLY**  
Interested doctoral students can apply online at [application.graduate.ucf.edu](http://application.graduate.ucf.edu)



# THIS IS BIG

Learn More About UCF

[ucf.edu/this-is-big](http://ucf.edu/this-is-big)



UCF

## UNIVERSITY RESEARCH IMPACT

**\$183**  
million  
in research funding  
(FY 2018)

**TOP 25**  
ranking among  
public universities  
for number of patents



## 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.

## UNIVERSITY RESEARCH FACULTY CLUSTERS

The clusters advance UCF's unique research strengths and foster strong, interdisciplinary teams focused on solving the world's toughest scientific and societal challenges.

- Cyber Security and Privacy
- Disability, Aging and Technology
- Energy Conversion and Propulsion
- Genomics and Bioinformatics
- Learning Sciences
- Prosthetic Interfaces
- Renewable Energy Systems
- Sustainable Coastal Systems
- Violence Against Women

See [www.ucf.edu/faculty/faculty-research-clusters](http://www.ucf.edu/faculty/faculty-research-clusters) for detailed information.

## CONTACT

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DO SOMETHING  
**BIG**

For more information about the  
**COLLEGE OF ENGINEERING &  
COMPUTER SCIENCE**  
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## CONNECT

