College of Engineering & Computer Science

2018

FAST FACTS
DEPARTMENTs

- Civil, Environmental and Construction Engineering
- Computer Science
- Electrical and Computer Engineering
- Industrial Engineering and Management Systems
- Materials Science and Engineering
- Mechanical and Aerospace Engineering

DEGREE MAJORS

- Aerospace Engineering, B.S., M.S.
- Biomedical Engineering, M.S.
- Civil Engineering, B.S., M.S., Ph.D.
- Computer Engineering, B.S., M.S., Ph.D.
- Computer Science, B.S., M.S., Ph.D.
- Construction Engineering, B.S.
- Data Analytics, M.S.
- Digital Forensics, M.S.
- Electrical Engineering, B.S., M.S., Ph.D.
- Engineering Management, M.S.
- Environmental Engineering, B.S., M.S., Ph.D.
- Industrial Engineering, B.S., M.S., Ph.D.
- Information Technology, B.S.
- Materials Science and Engineering, M.S., Ph.D.
- Mechanical Engineering, B.S., M.S., Ph.D.
- Modeling and Simulation, M.S., Ph.D.
- Photonics Science and Engineering, B.S.

Joint program with UCF College of Optics and Photonics

COLLEGE AND UNIVERSITY RANKINGS

Nation’s #1 workforce supplier to the aerospace and defense industry.

—Aviation Week, 2015, 2016, 2017

The college is ranked in the top 100 public graduate engineering colleges nationwide.

—U.S. News & World Report 2019

UCF Online is ranked in the Top 20 online programs in the country.

—U.S. News & World Report 2018


—Association of Computing Machinery’s International Collegiate Programming Competition


UCF is designated as a “highest research activity” institution by the Carnegie Foundation.

Among nation’s “Most Innovative” universities alongside Harvard, MIT, Stanford, Duke and Georgia Tech.

—U.S. News & World Report Best Colleges 2019

Ranked in nation’s top 25 for number of U.S. patents secured.

—National Academy of Inventors

No. 1 choice of high school seniors in Florida and the 12 states of the U.S. Southeast region.

—2016 Cappex College Considerations Report
FINANCIAL SUPPORT

133 teaching assistant positions and 299 research assistant positions plus tuition funded in Fall 2017 at an average annual stipend of more than $18,000.

$303,810 in college scholarships awarded to undergraduate and graduate students for 2017-18.

FRESHMAN CLASS PROFILE

Total Incoming Freshmen: 1,810
Summer/Fall 2017

<table>
<thead>
<tr>
<th></th>
<th>General</th>
<th>Honors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avg. SAT Score</td>
<td>1291</td>
<td>1451</td>
</tr>
<tr>
<td>Avg. ACT Score</td>
<td>28.0</td>
<td>32.1</td>
</tr>
<tr>
<td>Avg. High School GPA</td>
<td>3.99</td>
<td>4.41</td>
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</tbody>
</table>

(weighted)

Student success is fueled by rigorous academic instruction, research opportunities alongside world-renowned faculty, and innovative leadership development and STEM retention programs described in detail at stem.ucf.edu/stem-programs-at-ucf.

ENROLLMENT

Fall 2017
Total: 11,047
9,468 undergraduate
1,579 graduate

National Merit Scholars: 118
40 new
78 returning

Undergraduate Diversity
- African-American: 7.6%
- Asian: 8.7%
- Hispanic: 26.6%
- Female: 17.5%

Graduate Diversity
- African-American: 5.3%
- Asian: 5.8%
- Hispanic: 14.6%
- International: 40.1%
- Female: 23.5%

DEGREES CONFERRED

2016-17 Cumulative*
Bachelor's: 1,357 26,853
Master's: 322 8,219
Doctoral: 81 1,406
Total: 1,760 36,478

*1969 through Fall 2017
The need for engineering and technology leaders is echoed universally by industry, government agencies, academia and professional societies. With industry feedback and support, eli² launched in 2010 with a goal to build a community of leaders through lifelong engagement opportunities.

The eli² journey begins with programs to transform undergraduates into self-driven leaders focused on collaboration, creativity, innovation and accountability. The journey continues with UCF programs that bolster young professionals’ progress into management positions and empower mid-level managers to emerge as executives positioned to solve the world’s major societal challenges.

Maker Space Lab Complex
A resource provided by eli², the complex is located in the Engineering II building on campus and is available to the entire UCF community. It offers students a dedicated space to gather and collaborate, generate creative ideas, vet those ideas, then build and fine-tune working prototypes, all in one convenient place that allows for easy movement between labs.
- Harris Corporation Gathering Lab
- Idea Lab
- Texas Instruments Innovation Lab
- Manufacturing Lab

Learn more: eli2.cecs.ucf.edu

UCF ENGINEERING LEADERSHIP & INNOVATION INSTITUTE (eli²)

FACILITIES

<table>
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<tr>
<th>Facilities</th>
<th>Completed</th>
<th>Square Feet</th>
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<tbody>
<tr>
<td>Engineering I</td>
<td>1985</td>
<td>130,885</td>
</tr>
<tr>
<td>Engineering II</td>
<td>2001</td>
<td>105,545</td>
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<tr>
<td>Harris Engineering Center</td>
<td>2006</td>
<td>113,866</td>
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<tr>
<td>Siemens Energy Center</td>
<td>2008</td>
<td>10,000</td>
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<tr>
<td>MAE Research Facility</td>
<td>2012</td>
<td>4,000</td>
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FACULTY AND STAFF

<table>
<thead>
<tr>
<th>Faculty &amp; Staff</th>
<th>Total</th>
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<tbody>
<tr>
<td>Professors</td>
<td>58</td>
</tr>
<tr>
<td>Associate Professors</td>
<td>48</td>
</tr>
<tr>
<td>Assistant Professors</td>
<td>51</td>
</tr>
<tr>
<td>Lecturers/Instructors</td>
<td>28</td>
</tr>
<tr>
<td>Post-Docs/Adjuncts</td>
<td>74</td>
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<tr>
<td>Research Associates</td>
<td>2</td>
</tr>
<tr>
<td>Staff</td>
<td>82</td>
</tr>
<tr>
<td>Faculty Administrator</td>
<td>1</td>
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<tr>
<td>TOTAL</td>
<td>344</td>
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RESEARCH

<table>
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<tr>
<th>FY 2016</th>
<th>FY 2017</th>
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<tbody>
<tr>
<td>Expenditures</td>
<td>$27.9 million</td>
</tr>
<tr>
<td>New Funding</td>
<td>$35.6 million</td>
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</table>

FACT:
From 2010 to 2017, the total new research funding for CECS exceeded $197 million.

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.

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

- 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

RESEARCH CENTERS

- Center for Advanced Transportation Systems Simulation
- Center for Advanced Turbo-machinery and Energy Research
- Center for Research in Computer Vision
- Consortium for Applied Acoustoelectronics Technology
- Environmental Systems Engineering Institute
- Institute for Advanced Systems Engineering
- Interactive Computing Experiences Research Cluster of Excellence
- Multi-functional Integrated System Technology Center
- Stormwater Management Academy

UCF AT A GLANCE

Among the nation’s largest universities, UCF and its 13 colleges provide opportunities to 66,000+ students from all 50 states and 152 countries. UCF is called a “Most Innovative” university by *U.S. News & World Report*, and is consistently ranked a best-value university by *Kiplinger* and *Forbes*.
UNIVERSITY TRANSPORTATION RESEARCH CENTERS  
(U.S. Department of Transportation)  
• Electric Vehicle Transportation Center Tier 1  
• National Center for Transportation SystemsProductivity & Management Tier 1  
• Safer SIM Tier 1 (Simulation)  
• Southeastern Transportation Center Region 4  

RESEARCH CENTER PARTNERS  
Advanced Materials Processing and Analysis Center  
Biomolecular Science Center  
Center for Research and Education in Optics and Lasers  
Florida Photonics Center of Excellence  
Florida Solar Energy Center  
Florida Space Institute  
Institute for Simulation and Training  
NanoScience Technology Center  
National Center for Forensic Science  
Townes Laser Institute  

FEEDER CONSORTIUM  
(U.S. Department of Energy)  
FOUNDATIONS FOR ENGINEERING EDUCATION FOR DISTRIBUTED ENERGY RESOURCES  
UCF is the lead partner in a national effort to upgrade and sustain the nation’s energy grid. More than 50 partners include 2 national labs, 22 utilities and co-ops, 12 universities and 15 industry.  

DEAN  
Michael Georgiopoulos, Ph.D.  
DEAN’S ADVISORY BOARD  
Beverly J. Seay, Chair and UCF Trustee  
Representing large and small businesses, government agencies and academia, the board’s 30+ members provide strategic direction and guidance to the college. See ceecs.ucf.edu/board for more information.  

COLLEGE SHOWCASE VIDEO  
Watch “Do Something Big” at ceecs.ucf.edu  

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Connect with us on social media  

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