College

DEPARTMENT 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).
The college is ranked in the top 100 public graduate engineering colleges nationwide by U.S. News & World Report (2016).


No. 1 among all state universities in Florida for performance measures that include graduate rates and graduates’ employment and wages (Florida Board of Governors, 2016).

No. 1 choice of high school seniors in Florida and the 12 states of the U.S. Southeast region (2016 Cappex College Considerations Report).


No. 19 in the nation among public universities and 40th in the world for the number of U.S. patents secured in 2015 (National Academy of Inventors).

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
FINANCIAL SUPPORT
182 teaching assistant and 251 research assistant positions plus tuition funded in Fall 2015 at an average annual stipend of more than $18,000
$444,060 in college scholarships awarded to undergraduate and graduate students for 2015-16.

FRESHMAN CLASS PROFILE
Total Incoming Freshmen: 1,126

<table>
<thead>
<tr>
<th></th>
<th>General</th>
<th>Honors</th>
</tr>
</thead>
<tbody>
<tr>
<td>Avg. SAT Score</td>
<td>1286</td>
<td>1418</td>
</tr>
<tr>
<td>Avg. ACT Score</td>
<td>28.5</td>
<td>31.8</td>
</tr>
<tr>
<td>Avg. High School GPA (weighted)</td>
<td>4.02</td>
<td>4.37</td>
</tr>
</tbody>
</table>

DEGREES CONFERRED
2014-15 Cumulative*
Bachelor’s: 1,240 24,090
Master’s: 329 7,546
Doctoral: 77 1,233
Total: 1,646 32,869

*1969 through Fall 2015

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.
FACULTY AND STAFF

Professors 56
Associate Professors 48
Assistant Professors 42
Lecturers/Instructors 26
Post-Docs/Adjuncts 55
Research Associate 1
Staff 80
TOTAL 308

UCF ENGINEERING LEADERSHIP & INNOVATION INSTITUTE (eli²)

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 a self-driven leader focused on collaboration, creativity, innovation and accountability. The journey continues with offerings to enable young professionals’ progress into management positions and mid-level managers’ emergence as executives who can bring forth world-changing solutions to society’s greatest challenges.

MAKER SPACE LAB COMPLEX

A resource provided by eli², the complex is located in the Engineering II building on campus and 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

FACILITIES

<table>
<thead>
<tr>
<th>Facility</th>
<th>Completed</th>
<th>Square Feet</th>
</tr>
</thead>
<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>
</tr>
<tr>
<td>Engineering III—</td>
<td>2006</td>
<td>113,866</td>
</tr>
<tr>
<td>Harris Engineering Center</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAE Research Facility</td>
<td>2012</td>
<td>4,000</td>
</tr>
</tbody>
</table>

FACULTY HONORS

2 National Academy of Engineering Members
10 American Association for the Advancement of Science Fellows
2 National Academy of Inventors
2 ASM International Fellows
2 American Society for Engineering Education Fellows
2 U.S. Jefferson Science Fellowships
12 Institute of Electrical and Electronics Engineers Fellows
4 American Society of Civil Engineers Fellows
5 American Society of Mechanical Engineers Fellows
1 Association of Computing Machinery Fellow
3 Institute of Industrial Engineers Fellows
3 Electrochemical Society Fellows
3 American Institute of Medical & Biological Engineering Fellows
1 American Vacuum Society Fellow
1 Institute of NanoTechnology Fellow
14 National Science Foundation CAREER Awardees
9 Additional National Early Career/Young Investigator Awardees
RESEARCH

FY 2015 FY 2016
Expenditures $24.2 million $27.9 million
New Funding $28.2 million $35.6 million

FACT: From 2010 to 2016, the total new research funding for CECS exceeded $160 million.

UNIVERSITY RESEARCH FACULTY CLUSTERS
• Cyber Security and Privacy
• Energy Conversion and Propulsion
• Genomics and Bioinformatics
• Prosthetic Interfaces
• Resilient, Intelligent and Sustainable Energy Systems
• Sustainable Coastal Systems

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 64,000 students from all 50 states and 152 countries. UCF is called a “Top Up-and-Coming” and a “Most Innovative” university by U.S. News & World Report, a best-value university by The Princeton Review and Kiplinger, and among the most affordable colleges by Forbes.
UNIVERSITY TRANSPORTATION RESEARCH CENTERS
(U.S. Department of Transportation)
- Electric Vehicle Transportation Center Tier 1
- National Center for Transportation Systems Productivity & Management Tier 1
- Safer SIM Tier 1 (Simulation)
- Southeastern Transportation Center Region 4

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.

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

DEAN
Michael Georgiopoulos, Ph.D.

DEAN’S ADVISORY BOARD
Representing large and small businesses, government agencies and academia, the board’s 30+ members provide strategic direction and guidance to the college. See cecs.ucf.edu/board for more information.

Opportunity Starts Here