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 PROGRAMS
- Aerospace Engineering, B.S., M.S., Ph.D.
- 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 & Engineering, B.S., 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, 2018
- The college is ranked in the top 50 public graduate engineering colleges nationwide.
  —U.S. News & World Report 2019
- UCF Online is ranked in the Top 15 online programs in the country.
  —U.S. News & World Report 2019
  —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

North American Champions 2018 —
UCF Computer Programming Team
FINANCIAL SUPPORT
121 teaching assistant positions and 350 research assistant positions plus tuition funded in Fall 2018 at an average annual stipend of more than $18,000.

$270,411 in college scholarships awarded to undergraduate and graduate students for 2018-19.
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.

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.

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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>Harris Engineering Center</td>
<td>2006</td>
<td>113,866</td>
</tr>
<tr>
<td>Siemens Energy Center</td>
<td>2008</td>
<td>10,000</td>
</tr>
<tr>
<td>MAE Research Facility</td>
<td>2012</td>
<td>4,000</td>
</tr>
</tbody>
</table>

ONE-OF-A-KIND LEARNING LABORATORIES

- Lockheed Martin Cyber Innovation Lab: opened Feb. 2019
- Siemens Digital Grid Lab: opened March 2017

FACULTY AND STAFF

Professors 63
Associate Professors 51
Assistant Professors 68
Lecturers/Instructors 30
Post-Docs/Adjuncts 93
Research Associates 9
Other 3
Staff 89
TOTAL 406

FACULTY & STAFF

FACULTY HONORS

6 National Academy of Engineering Members
3 National Academy of Inventors
3 ASM International Fellows
2 American Society of Engineering Education Fellows
2 U.S. Jefferson Science Fellowships
11 Institute of Electrical and Electronics Engineers Fellows
5 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
10 American Association for the Advancement of Science Fellows
3 Electrochemical Society Fellows
3 American Institute of Medical & Biological Engineering Fellows
2 SPIE International Society for Optics & Photonics Fellows
1 American Vacuum Society Fellow
1 Institute of NanoTechnology Fellow
17 National Science Foundation CAREER Awardees
15 Additional National Early Career/Young Investigator Awardees

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: cecs.ucf.edu/eli2
Research

RESEARCH

FY 2017 | FY 2018
---|---
Expenditures | $30.3 million | $32.83 million
New Funding | $37.3 million | $50.68 million

FACT:
From 2010 to 2018, the total new research funding for CECS exceeded $247 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 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

UCF AT A GLANCE

Among the nation’s largest universities, UCF and its 13 colleges offer more than 220 degree programs to 68,500+ students from all 50 states and 152 countries. UCF is ranked a top 10 “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 Systems Productivity & 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

DEAN  
Michael Georgiopoulos, Ph.D.

DEAN’S ADVISORY BOARD  
Board Chair Dan Schiappa, ’87-’90  
Senior VP, Sophos  

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/about-us/deans-advisory-board/ for more information.

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

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.

50 YEARS OF GROWTH  
ENROLLMENT  
From a few hundred students in 1968, to 11,500+ in 2018.  
RESEARCH  
From the first grant of $12,500 from NASA, to more than $50 million in funding from local, state, federal and industry sources in 2018.