UCF College of Engineering & Computer Science

DEPARTMENTS
Civil, Environmental and Construction Engineering
Electrical Engineering and Computer Science
Division of Computer Science
Division of 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.
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.
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

FACULTY HONORS
National Academy of Engineering
National Academy of Inventors
American Association for the Advancement of Science
American Society for Engineering Education
U.S. Jefferson Science Fellowship
Institute of Electrical and Electronics Engineers
American Society of Civil Engineers
American Society of Mechanical Engineers
ASM International
Association of Computing Machinery
Institute of Industrial Engineers
National Science Foundation CAREER Awards

FACULTY AND STAFF
Professors: 50
Associate Professors: 49
Assistant Professors: 26
Full-Time Lecturers: 14
Instructors: 5
Staff: 67
TOTAL: 211

DEGREES CONFERRED*
2012-13  Cumulative
Bachelor’s: 1,002 21,124
Master’s: 346 6,806
Doctoral: 68 1,015
Total: 1,416 28,945

*1969 through Spring 2013

ENROLLMENT (2013)
Total: 8,296
7,014 undergraduate
1,282 graduate
National Merit Scholars: 73
22 new
51 returning

Undergraduate Diversity
African-American: 7.5%
Asian: 7.0%
Hispanic: 22.7%
Female: 14.6%

Graduate Diversity
African-American: 3.6%
Asian: 5.1%
Hispanic: 12.1%
International: 35.7%
Female: 21.7%

FINANCIAL SUPPORT
135 teaching assistant and 175 research assistant positions plus tuition funded in Fall 2013 at an average annual stipend of more than $18,000
$231,750 in college scholarships awarded to undergraduate and graduate students for 2012-13

RESEARCH
FY 2012  FY 2013
Expenditures  $19.7 million  $21.3 million
New Funding  $21.9 million  $22.8 million

CECS received the most funding of all UCF colleges and units in FY 2012 and 2013.

UCF HIGHLIGHTS
• A UCF-record $55 million grant from NASA was awarded.
• UCF produced the second-largest number of STEM graduates in the State University System of Florida.
• A record 247 National Merit Scholars enrolled
• UCF is ranked 21 among the world’s 100 patent-producing universities; and IEEE ranks UCF in the top 20 for patent strength.

UCF AT A GLANCE
The University of Central Florida, founded in 1963, is the nation’s second-largest university. Located in Orlando, UCF and its 12 colleges provide opportunities to 59,740 students, offering 177 bachelor’s and master’s degrees and 30 doctoral programs. Students come from all 50 states and 148 countries. The Princeton Review ranked a UCF education as one of the nation’s best values in 2013-14.

UCF HIGHLIGHTS
• A UCF-record $55 million grant from NASA was awarded.
• UCF produced the second-largest number of STEM graduates in the State University System of Florida.
• A record 247 National Merit Scholars enrolled
• UCF is ranked 21 among the world’s 100 patent-producing universities; and IEEE ranks UCF in the top 20 for patent strength.

FRESHMAN CLASS PROFILE (2013)
Total Incoming Freshmen: 904

Avg. SAT Score: 1273
Avg. ACT Score: 28
Avg. High School GPA: 3.89 (weighted)

Dr. Haiyan “Nancy” Hu uncovers patterns in gene expression.

COLLEGE RANKINGS
Ranked 4th best graduate engineering school for Hispanics by Hispanic Business Magazine (2013)
RESEARCH CENTERS
- Center for Advanced Transportation Systems Simulation
- Center for Advanced Turbomachinery and Energy Research
- Center for Research in Computer Vision*
- Coastal Dynamics of Sea Level Rise Research Cluster of Excellence
- Consortium for Applied Acoustoelectronics Technology
- Environmental Systems Engineering Institute
- Institute for Advanced Systems Engineering
- Interactive Systems & User Experience Research Cluster of Excellence
- Stormwater Management Academy

*denotes a university center

FACILITIES

<table>
<thead>
<tr>
<th>Completed</th>
<th>Square Feet</th>
</tr>
</thead>
<tbody>
<tr>
<td>Engineering I 1985</td>
<td>130,885</td>
</tr>
<tr>
<td>Engineering II 2001</td>
<td>105,545</td>
</tr>
</tbody>
</table>
| Engineering III—  
  Harris Engineering Center 2006 | 113,866 |
| MAE Research Facility 2012 | 4,000 |

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

CENTRAL FLORIDA RESEARCH PARK
- Adjacent to the University of Central Florida
- 126 companies, including industry leaders in simulation, networking and software
- Approximately 10,000 employees

DID YOU KNOW?
Lockheed Martin, Harris Corporation and Siemens Energy have the highest percentage of employees from UCF.

COLLEGE OF ENGINEERING & COMPUTER SCIENCE
University of Central Florida
4000 Central Florida Blvd.
Orlando, FL 32816
407.823.2455

For more about us visit:  
cecs.ucf.edu

The Harris Corporation Engineering Center houses the Department of Electrical Engineering and Computer Science, and the CECS Dean’s Office.