Engineering and Computer Science Majors
Computer Science

About
The computer science field addresses some of the most interesting and challenging problems of society. Computer scientists work at the forefront of technological progress and expanding the human intellect. They study phenomena connected with computers and computation including software (algorithms, data structures), and many diverse applications of computational thinking and techniques. Focus areas include robotics, artificial intelligence, cyber security, data analytics, simulation, game and other app design, data mining and more.

UCF is home to the three-time national champion Collegiate Cyber Defense Competition Team (2014, 2015 and 2016). The UCF Programming Team ranks #1 in the U.S. and 13th in the world, among 13,000+ regional teams. UCF faculty have internationally recognized expertise in several areas.

Coursework Includes
- Systems Software
- Security in Computing
- Statistical Methods
- Object Oriented Programming
- Computer Logic and Organization
- Introduction to Discrete Structures
- See program requirements in the UCF undergraduate catalog at **catalog.ucf.edu**

Where Computer Science Graduates Work
CS graduates are employed nearly everywhere, from large computing companies such as Apple, Google and Microsoft; and large companies in Florida such as Lockheed Martin, Harris, Siemens; to smaller companies such as Riptide Software. Many students start their own business or get involved in entrepreneurial startups.

Typical Starting Salary / Possible Job Titles
$68,000. Software Developer; Software Engineer; Applications Developer; Systems Analyst; Security Analyst; Computer Programmer; Data Scientist; Data Analyst; Database Administrator.

Related Student Organizations at UCF
Association for Computing Machinery
IEEE Computer Society
Computer Programming Team
Women in EECS
Collegiate Cyber Defense Club (Hack@UCF)

Related Minors
Computer Engineering;
Bioengineering; Information
Technology; Mathematics;
Secure Computing and Networks;
Engineering Leadership;
Cyber Operations Certificate.

Contact
Department of Computer Science
407-823-5373
cs.ucf.edu

University of Central Florida

Located in Orlando, Florida, UCF is one of the nation's largest universities with more than 66,000 students from all 50 states and 152 countries. UCF's 13 colleges offer 212 degree programs. Students find community and camaraderie in more than 600 registered student organizations. To learn more, visit **www.ucf.edu/admissions**.

College of Engineering and Computer Science

With 10,000+ students, the college is among the nation's top producers of engineers and computer scientists. Students receive rigorous instruction, enhanced with real-world hands-on experiences, to graduate with solid technical skills in 11 majors offered: aerospace engineering; civil engineering; computer engineering; computer science; construction engineering; electrical engineering; environmental engineering; industrial engineering; information technology; mechanical engineering; and optics and photonics.

During their academic career, students benefit from unique and innovative leadership and diversity-based support programs, such as the UCF Engineering Leadership & Innovation Institute (eli^2) (**eli2.cecs.ucf.edu**), and renowned STEM retention programs described in detail at **stem.ucf.edu/stem-programs-at-ucf**.

UCF Rankings

- Nation's #1 workforce supplier to the aerospace and defense industry (*Aviation Week*, 2015, 2016)
- Ranks 11th among U.S. public universities for number of National Merit Scholars (289).
- *Kiplinger*, *Forbes* and The Princeton Review rank a UCF education among the nation's best values.
- Ranks #1 in nation, #13 in world among 13,000 regional teams, 2017 Association of Computing Machinery's International Collegiate Programming Competition.
- Home to three-time national champions: UCF Collegiate Cyber Defense Competition Team – 2014, 2015, 2016.
- U.S. Southeast Programming Team Champions – 2012, 2013, 2014, 2015, 2016.
- Ranks #5 out of 225 U.S. universities for number of patents granted, and #22 for success in research that leads to new technologies, products and companies (*2017 Milken Institute report*).
- Top choice of high school seniors in Florida and in the 12 states of the U.S. Southeast region (*2016 Cappex College Considerations Report*)

UNIVERSITY OF CENTRAL FLORIDA
has been designated as a
National Center of Academic Excellence
in Cyber Defense Education

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