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 third in the nation and 28th in the world, among 10,000+ 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 catalog at http://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
$58,000. 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
http://cs.ucf.edu
University of Central Florida

UCF’s 13 colleges provide education and opportunities to 64,000 students from all 50 states and 152 countries. Located in Orlando, Florida, UCF is one of the nation's largest universities with 212 degree programs from which to choose. Students find community and camaraderie in more than 600 registered student organizations. See the UCF Viewbook at www.ucf.edu/admissions to learn more.

College of Engineering and Computer Science

With nearly 10,000 students, the college is among the nation’s top producers of engineers and computer scientists. Students receive rigorous instruction and graduate with solid technical skills.

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

These programs are among the many reasons why the University of Central Florida was recognized along with Harvard, MIT, Stanford and Duke as one of the nation’s most innovative universities in U.S. News & World Report Best Colleges 2016 guide.

UCF Rankings

- Nation's #1 workforce supplier to the aerospace and defense industry (Aviation Week, 2015, 2016)
- Ranked #3 in nation, #28 in world, 2016 Association of Computing Machinery's International Collegiate Programming Competition.
- Ranked #1 among all state universities in Florida for performance measures that include graduation rates and graduates' employment and wages (Florida Board of Governors 2016)
- No. 1 choice of high school seniors in Florida and in the 12 states of the U.S. Southeast region (2016 Cappex College Considerations Report)