

# FM COMPUTER SCIENCE



FRANCIS MARION UNIVERSITY

# ABOUT COMPUTER SCIENCE

The Computer Science Department's active internship program places our students in the area's best technology companies to gain work experience while receiving college credit.

Francis Marion University has a chapter of Upsilon Pi Epsilon, the International Honor Society for the Computing and Information disciplines. There is also a chapter of the Association for Computing Machinery (ACM) on campus. The ACM serves the role of improving and informing the community of the most recent advances in computer technology.

The Computer Science Program at FMU offers students the opportunity to participate in several regional level programming contests.



Association for  
Computing Machinery



Upsilon Pi  
Epsilon

## COURSES

The Computer Science major and minor offers students a number of exciting and challenging courses that will prepare them for a career in computer science.



Courses available include:

- Android Mobile Device App Development
- Artificial Intelligence
- Computer Architecture and Organization
- Computer Networks
- Data Base Management Systems Design
- Data Structure and Algorithms Analysis
- Digital Systems Design
- Internship in Computer Science
- Introduction to Computer Graphics
- Modern Programming
- Operating Systems
- Programming and Algorithmic Design I and II
- Programming Fundamentals
- Programming Languages
- Software Design and Development
- Special Topics in CS
- Systems Design and Development
- Theory of Computation

# CAREERS

More than one million computer science job openings are available yearly. Current computer science graduates fill only one-third of these positions.

According to an article posted on Forbes.com, Computer Science graduates have a high earning potential, with Ph.D.'s typically earning \$77,000 or more. Those with Bachelor's degrees can earn upwards of \$53,000 for software design and programming.\*

Graduates of Francis Marion's Computer Science program have been employed by companies that include:



HillSouth



IT solutions.



\*www.Forbes.com, "Where The Jobs Are For New Grads," Susan Adams





## **COMPUTER SCIENCE MISSION STATEMENT**

The Computer Science Department aims to instill in our students a sound knowledge of all key domains of the computing sciences while encouraging critical thinking, teamwork, innovation and a lifelong love of learning. We have a vision of graduating engineers who are ethical, creative, respectful of their peers, and have a desire to serve their community.



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