

# Computer Science

- √ Major
- √ Minor

## Description of the major:

Computer science majors at Coastal Carolina University will develop an awareness of technological advances in the field of computer science and develop an understanding and appreciation for ethical behavior as it relates to information processing. The Department of Computer Science offers a challenging and highly rewarding course of study leading to the Bachelor of Science degree that provides a strong foundation in theoretical computer science as a basis for upper-level courses in areas such as computer architecture, operating systems, robotics, algorithm analysis, artificial intelligence and computer graphics. Students receive training that blends computer science with a firm foundation in the sciences and mathematics, preparing them for advanced work in computer science and for computer-related careers in industry.

## The student experience:

- The degree program has been granted accreditation by the Accreditation Board for Engineering and Technology (ABET).
- Because real-world experience is critical in computer science, the department offers courses in applied software development that provide students with the tools to design and implement software projects as part of a team that works with area businesses.
- Internships are available for academic credit. Students can also apply for cooperative education which allows them to work full-time in the field while earning academic credit, income and valuable work experience.
- Computing resources include computerized classrooms, a robotics lab, a micro-computer lab, a high-performance computer

lab and a Linux file server providing internet access through the University's campus academic network.

- A student chapter of the Association for Computing Machinery, known as Numbers & Bytes, sponsors field trips, brings speakers to campus, organizes professional and social functions, and participates in community service.

## Beyond the classroom:

Computer science majors are involved in the following industries: robotics development, software engineering, parallel computing, bioinformatics research, high-performance computing and cloud computing.

## Areas of study:

CSCI 210	Computer Organization and Programming
CSCI 220	Data Structures
CSCI 310	Introduction to Computer Architecture
CSCI 356	Operating Systems
CSCI 390	Theory of Computation
CSCI 440	Introduction to Computer Graphics
CSCI 473	Introduction to Parallel Systems
CSCI 485	Introduction to Robotics
CSCI 480	Introduction to Artificial Intelligence

## For more information:

- William Jones Jr., Ph.D., department chair, 843-349-4142 or [wjones@coastal.edu](mailto:wjones@coastal.edu)
- Melanie McKeefery, administrative specialist, 843-349-2116 or [mryan@coastal.edu](mailto:mryan@coastal.edu)
- [www.coastal.edu/computing](http://www.coastal.edu/computing)



P.O. Box 261954 • Conway, SC 29528-6054 •  
800.277.7000 • [coastal.edu](http://coastal.edu)