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# Computer Science

## What does a computer science major study?

Computer science students 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.

## Why study computer science at Coastal Carolina University?

- The degree has been granted accreditation by ABET (Accreditation Board for Engineering and Technology).
- Since real-world experience is critical in computer science, Coastal Carolina University 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 the area businesses.
- Internships are available for academic credit, and 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, on a regular basis, participates in community service.

## What are some career options for computer science majors?

Information systems specialists are involved in the following areas/industries:

- Bioinformatics research
- Software engineering
- Parallel computing
- Robotics development
- High-performance computing
- Cloud computing

## What kind of courses do computer science majors take?

CSCI 170	Ethics in Computer Science and Information Systems
CSCI 310	Introduction to Computer Architecture
CSCI 440	Introduction to Computer Graphics
CSCI 485	Introduction to Robotics
CSCI 460	Algorithms in Bioinformatics
CSCI 480	Introduction to Artificial Intelligence

## Whom can I contact for more information?

- Dr. John Stamey, chair of the department, 843-349-2552 or [jwstamey@coastal.edu](mailto:jwstamey@coastal.edu)
- Sandy Mishoe, administrative assistant, 843-349-2116 or [mishoes@coastal.edu](mailto:mishoes@coastal.edu)
- You can also find more information at [www.coastal.edu/cs](http://www.coastal.edu/cs).