



Computer Science

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Computer Science

Computer Science is the study of computers and computational systems. Unlike electrical and computer engineers, computer scientists focus on software and software systems; this includes their theory, design, development, and application. Although knowing how to program is essential to the study of computer science, it is only one element of the field. Computer scientists design and analyze algorithms to solve problems and study the performance of computer hardware and software.

The Computer Science program awards an Associate of Science (A.S.) degree. This degree is designed to prepare students to transfer to a four-year institution to obtain a bachelor's degree in a computer related field such as computer science, information systems, information technology, and secure computing.

GC offers three different learning options (modalities) for completing major courses in the Computer Science program:

- ▶ **Face-to-face** – attend class in-person, on-campus
- ▶ **Synchronous online** – attend virtually as the class is being taught
- ▶ **Asynchronous online** – watch recorded lectures after the class has ended

Students may alternate how they attend class at any time and as often as they wish, allowing for greater flexibility in their schedules. Students can fit classes in around their work schedules and other responsibilities. No matter how students choose to participate, all students follow the same course schedule and assignments are due at the same time.

Core Courses

- ▶ Programming Logic
- ▶ Discrete Structures
- ▶ Computer Science Programming I and II
- ▶ Ethics in the Information Age
- ▶ Introduction to Cyber Law
- ▶ Digital Logic Design and Lab

Enroll Today: www.garrettcollege.edu/applynow



For more information, please contact:
Office of Academic Affairs
301.387.3054
academics@garrettcollege.edu

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March 29, 2022 3:00 PM