College to Career Connection
Computer Science

What is Computer Science?

Computer science is a discipline that spans theory and practice. It requires thinking both in abstract terms and in concrete terms. The Computer Science program is designed to address problems in organizing, representing, manipulating, and presenting information in an automatic processing environment. Computerized information systems are being developed and used in almost every field where information must be processed. The goal of the Computer Science program is to provide understanding of the functions of the modern computer and operational skills in programming. The following list is a sample of the many career options available for the computer science major. While a few require an associate degree, most require baccalaureate degrees and some require a graduate degree. College of the Canyons offers:

COC - Computer Science AS - will not transfer to a 4 year university

COC -Computer Science AS-T

Potential Industries/Employers

- Existing Web Page
- Schools
- Government Agencies
- Mass Media Industries
- Intelligent Information Systems
- Federal Investigation Agencies
- Research Database
- Information Centers
- Customer Service
- Education Technology
- Web Design Companies

Possible Job Titles

- Software Engineer
- Artificial Intelligence Programmer
- Investment Manager
- Data Processing Manager
- Database Manager
- Software Development Specialist
- Web Designer
- Robotics Programmer

- Production Manager
- External Auditor
- Data Analyst
- Technical Support Representative
- Computer Engineer
- Computer/Marketing Sales Representative
- Value Engineer
- Rate Analyst

How this Major Helps You Move Forward:

Skills Advancement

While College of the Canyons does not endorse all of these opportunities, we aim to provide access:

- **Internships**
- **COC Career Center**
- **Lynda.com Courses**
- **College of the Canyons Mathematics Engineering Science Achievement (MESA)**
- **United States Intelligence Community Undergraduate Training Assistance Program**

CSU/UC Major Preparation (BA/BS):

- **CSUN: Computer Science B.S.**

- **CSUCI: Computer Science B.S.**

- **CSULA: Computer Science B.S.**

- **UCI: Computer Science and Engineering, B.S.**

- **… and more!**

Additional information can be found at

- **What Can I do With this Major**

- **COC Computer Science Department**

- **Assist: Student Transfer Information System**

- **Occupational Outlook Handbook**

- **ONET OnLine: Job and Career Exploration**

- **Linkedin Alumni Tool**

Associations

Association is a group of people who come together for a common purpose. You can find helpful information about jobs and careers.

- **Association for Computing Machinery**
- **Association for the Advancement of Artificial Intelligence**
- **Accreditation Board for Engineering & Technology (ABET)**
- **Association for Women in Computing (AWC)**
- **Association of Information Technology Professionals (AITP)**