Program Description
Computer Science is the science of using computers to solve problems. Mostly, this involves designing software, computer programs and addressing fundamental scientific questions about the nature of computation. It also involves many aspects of hardware and architecting the large computer systems that form the infrastructure of commercial and government enterprises. Computer scientists work in many different ways: pen-and-paper theoretical work on foundations and fundamentals of coding, designing software and computer programs, programming work using a computer, and collaborative teamwork to complete research and solve software and programming issues.

Sample Occupations
- Computer & Information Manager
- Research & Development Engineer
- Computer Systems Analyst
- Web Developer/Administrator
- Video Game Designer/Animator
- Telecommunications Specialist
- Network Designer
- Computer Security Specialist
- Bioinformatics Professional
- Network/Info Security Analyst
- Professor/Faculty
- Software Engineer
- Computer Support Specialist
- Consultant

Sample Work Settings
- Computer Information and Research
- Software Developers, Systems Software
- Information Security Analysis
- Network and Mobile Computing
- Computer Programming
- Multimedia Artistry and animation
- Computer Systems and Network Design
- Database Management
- Cybersecurity

Job Search & Career Planning Resources
Use Career Center online resources (GWork, GoingGlobal, Vault)
Keywords: Network, Analyst, Software, Database, Engineer

Job Search Sites
Computerwork.com, professional organizations

Sample Companies in this field:
Motorola, MSC, Fidelity Investments, Sony Electronics, Dreamworks, Pixar Animation studios, Apple, Google, Yahoo!, BAE systems, Hewlett-Packard Company, Siemens, Department of Homeland Security, Department of Defense, Facebook, Twitter, Garmin, NetApp, QinetiQ, Intel, IBM, FTI Consulting, Raytheon, ESPN, Microsoft, Boeing

Professional Organizations
Tips: Join professional organizations to network and find out more about your field.
- League of professional system Administrators: Iospa.org
- Data management international - dami.org
- Association for Computing Machinery - acm.org
- National Center for women & IT - ncwit.org
- Institute of Electrical and Electronics Engineers - ieeg.org
- American Association for Artificial Intelligence - aai.ai
- The Association of Logic Programming - cs.nmsu.edu/ALP
- Computing Research Association - crai.org
- International Federation for Information Processing - ifip.org