What can I do with my Major?

COMPUTER SCIENCE

SAMPLE JOB TITLES

*Visit O*Net and conduct an Occupation Quick Search of each job title to learn more about that career path.*

Software Developer, Systems Software
Computer Programmer
Software Developer, Applications
Computer and Information Systems Managers
Computer Systems Analyst
Computer User Support Specialist
Computer and Information Research Scientists
Network and Computer Systems Administrators
Computer Security Specialist
Computer Hardware Engineer
Web Developer
Database Administrator
Web Designer
Applications Programmer
Project Leader
Computer Consultant
Technical Writer
Systems Engineer
Information Specialist
Data Processing Manager

OTHER RESOURCES

IEEE Computer Society
Association for Computing Machinery

OVERVIEW OF MAJOR

Computer Science is the formal study of what can be computed and what resources are required for computation, as well as the application of hardware, software, and human resources to solve computational problems. This major emphasizes development of applied skills in design, implementation, and validation of computer systems. Students acquire skills in the areas of computer science, computer systems, organization and architecture, algorithms and data structures, principles of software design, elements of the theory of computation, and operating systems.

NATURE OF WORK

Computer scientists design computers and the software that runs them, develop information technologies, and develop and adapt principles for applying computers to new uses. The jobs of computer scientists are distinguished by the higher level of theoretical expertise and innovation they apply to complex problems and the creation or application of new technology.

Computer scientists employed by academic institutions work in areas ranging from complexity theory to hardware to programming language design. Their counterparts in private industry work in areas such as applying theory, developing specialized languages or information technologies, or designing programming tools, knowledge-based systems, or even computer games.

UCONN RESOURCES

Department of Computer Science and Engineering
Information Management Association
Optical Society of America
Society of Photonic Instrumentation Engineers
Upsilon Pi Epsilon
Engineering Student Leadership Council
Tau Beta Pi
Society of Hispanic Professional Engineers
National Society of Black Engineers
Women in Math, Science and Engineering
Society of Women Engineers

UCONN
CENTER FOR CAREER DEVELOPMENT