What can I do with my Major?
COMPUTER SCIENCE AND ENGINEERING

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
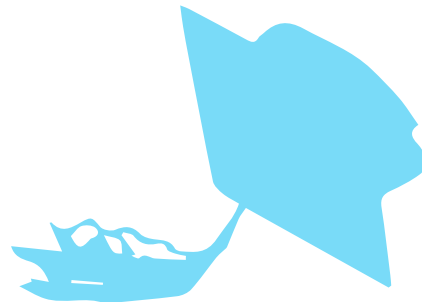Data Processing Manager

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

OVERVIEW OF MAJOR

This program produces graduates with a broad perspective in both software and hardware topics pertinent to computing systems. It provides the foundation and specialized knowledge necessary to analyze, design, and evaluate system software, utility programs, and software-hardware architectures. The program is supported by study in mathematics, science, and engineering. This allows students to design hardware and software solutions for a wide variety of application domains. Students gain hands-on experience in the laboratory courses accompanying classroom work and develop design skills in course work beginning in the first two years. Design experience continues in junior and senior years in the areas of software engineering and in applications areas of the student's choosing, culminating in the one-semester Senior Design Project course.

NATURE OF WORK

The rapid spread of computers and information technology has generated a need for highly trained workers to design and develop new hardware and software systems and to incorporate new technologies. These workers—computer systems analysts, engineers, and scientists—encompass a wide range of computer-related occupations. Computer Science and Engineering majors can have professions as computer professionals with a wide range of varying responsibilities, including designing computers and the software that runs them; developing information technologies; and developing and adapting principles for applying computers to new uses.

OTHER RESOURCES

IEEE Computer Society
Association for Computing Machinery

UCONN
CENTER FOR
CAREER DEVELOPMENT