Software Engineering

As a software engineer, you can use your expertise in computer science, engineering, and math to design, develop, and evaluate software for companies that configure and install computer systems while also building and maintaining software systems throughout their lifecycle. Specific tasks software engineers perform evolve quickly, reflecting changes in technology, as well as the needs of employers. They work as members of teams that may include engineering, marketing, manufacturing, accounting, training, and design professionals who work together to create new products.

Sample Career Opportunities:
Software Configuration Management
Software Developer
Software Quality Engineer
Mobile Specialist/Technologist
Application Developer
Systems Programmer
Software Publisher
Web Developer

Computer Engineering

Computer Engineering combines electrical engineering and computer science skills. Computer engineers design and develop computer systems and networks. They often solve problems at the hardware and software interface.

Sample Career Opportunities:
Digital Forensics Investigator
Computer/Embedded Systems Engineer
Information Security Officers/Analysts

Computer Science

Computer Science is the theory and practice of processing and using information. Computer scientists use and develop algorithms, information processing, computer languages, and computer systems to solve computing problems.

Sample Career Opportunities:
Computer Programmers
Database Experts
IT Project Managers

Management Information Systems

Management Information Systems (MIS) training focuses on the application, use, and management of information systems to provide effective information services, support, and problem solving abilities for the business decision making. MIS curriculum has a business emphasis first (accounting, finance, management, etc.), supported with conceptual, analytical, technical, and interpersonal skills.

Sample Career Opportunities:
Computer User Support Specialist
Network Systems Administrator
Information Security Analyst

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