AUS | الجامعة الأميركية في الشارقة
American University of Sharjah

COMPUTER SCIENCE

College of Engineering
www.aus.edu/cen

Computer scientists are experts in computers and computational systems. They differ from electrical and computer engineers, as they are interested in software and software systems, including the theory, design, development and application of software and software systems. Computer scientists are well versed in the areas of artificial intelligence, computer systems and networks, security, database systems, human computer interaction, vision and graphics, numerical analysis, programming languages, software engineering, bioinformatics and theory of computing.

Possible Career Options

- Data Scientist
- ProgrammerorSoftwareDeveloper
- Software Architect
- Systems Analyst
- Database Administrator
- Software Engineer
- Computer Systems and Network Manager

COMPUTER SCIENCE | College of Engineering

www.aus.edu/cen

Possible Employers

- Data Scientist
- Programmer or Software Developer
- Software Architect
- Systems Analyst
- Database Administrator
- Software Engineer
- Computer Systems and Network Manager

Skills Required

- Proficiency in oral and written communications
- Detail-oriented
- Ability to organize, analyze and interpret numerical data
- Creative approach to problem solving
- Critical thinking skills
- Ability to interpret data
- Ability to work independently or as part of a team
- Ability to concentrate for long periods of time

Personal Attributes

- Achievement-oriented
- Capacity for detail and order
- Capacityforanalyticalandlogical thinking
- Patient
- Capacity for precision
- Thorough
- Skills with numbers
- Resourceful
- Have integrity

Ways to Get Experience

- Doing an internship
- Workingpart-timeorvolunteering in an engineering firm
- Volunteering as a research assistant in a university's computerengineeringdepartment
- Joining a professional organization or related student club