

COMPUTER SCIENCE & ENGINEERING

Engineering Student Development Center
Academic and Career Advising
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CAREERS

- **Database engineer:** Manage flow of information, design and maintain a database that provides informative and relevant data to users.
- **Information security engineer:** Protect networks and computer systems from any security threats or attacks, is responsible for establishing and implementing security solutions that can defend the networked systems.
- **Network systems and data communications engineer:** Plan, implement and oversee the computer networks that support smooth data services.
- **Software engineer:** Design, develop, test and maintain software.
- **Hardware engineer:** Design, test, analyze, manufacture and manage hardware systems.
- **Web developer:** Develop World Wide Web applications.
- **Application engineer in almost every area:** medicine, finance, business, sport, entertainment, media, defense, agriculture, healthcare, retail, manufacturing, telecommunication and others.

*Some of these positions may require an advanced degree.

SPECIALIZATIONS WITHIN THE FIELD

- Artificial Intelligence (AI) Engineer
- Augmented Reality (AR) Engineer
- Blockchain Developer/Engineer
- Big Data Scientist
- Bioengineer
- Computer Hardware Engineer
- Cloud Computing Engineer
- Cryptography Expert
- Database Administrator
- Data Scientist/Analyst
- Deep Learning Engineer
- Design Engineer
- Embedded Systems Engineer
- Engineering Manager
- Full-stack Developer
- Healthcare Systems Developer
- High Speed Computing
- Imaging Processor
- Information Technology Specialist
- Information Security Analyst
- Internet of Things (IoT) Developer
- Machine Learning Engineer
- Manufacturing Automator
- Medical Technologies Developer
- Mobile Application Designer or Developer
- Network Architect
- Professor
- Project Manager
- Quantum Computing Engineer
- Research and Development (R&D) Scientist
- Security Officer
- Signal Processor
- Software Developer
- Software Quality Assurance Manager
- Software Tester
- Systems Analyst
- Test Engineer
- User Interface Designer
- Virtual Reality (VR) Engineer
- Web Developer

EMPLOYERS

- Alliant Energy
- Amazon
- Apple
- Boeing
- Caterpillar
- Cerner
- Collins Aerospace
- DuPont Pioneer
- Design Engineers
- Emerson-Fisher Controls
- Facebook
- Firemon
- GE Healthcare
- Google
- Hologic
- IBM
- Intel
- Innomatix
- Innovative Software Engineering
- Intermec
- John Deere
- Lockheed Martin
- MODUS
- Motorola
- Microsoft
- Northrup Grumman
- Oracle
- Pariveda
- Raytheon
- Schneider Electric
- IBM
- Samsung

<https://careers.uiowa.edu/post-graduation-data#employment-report>