

WHAT CAN I DO WITH MY MAJOR?

COMPUTER SCIENCE & CYBERSECURITY

Computer Science is the study of computers and computational systems, containing both theoretical foundations and practical approaches to designing software and hardware. It involves programming, algorithm development, data structures, computer architecture, and various specialized areas such as artificial intelligence, machine learning, cybersecurity, and data science.

COMMON JOB TITLES * additional education or certification required post graduation

ENTRY & MID LEVEL POSITIONS

Software Developer
Computer Programmer
Database Administrator
IT Support Specialist
Video Game Developer
AI Data Engineer
System Security Administrator

Network Administrator
Systems Analyst
Web Developer
QA Tester/Analyst
Application Developer
Machine Learning Engineer
Security Software Developer

AREAS OF EMPLOYMENT: WHERE DO COMPUTER SCIENCE MAJORS TYPICALLY WORK?

Technology Companies: Hudl, Gallup, Spreetail

Hardware Manufacturers: Intel, Seagate Technology, Valmont

IT Companies: ACI Worldwide, Fiserv, HATech LLC

Healthcare: Nebraska Medicine, Blue Cross Blue Shield, CHI Health

Banks: FNBO, Union Bank & Trust, Pinnacle Bank

Insurance Companies: Mutual of Omaha, WoodmenLife, Physicians Mutual

Nonprofit Organizations: OpenSky Policy Institute, NE Humane Society

Telecommunications Companies: Cox Communications, Verizon

Research Institutions: Boys Town, UNMC, Creighton

Schools & Universities: UNO, UNL, Metro CC

Computer/Electronic Companies: IBM, Cisco Systems, Interpublic Group

Government: IRS, Offut Air Force Base, Dept. of Homeland Security

Consulting Firms: Deloitte, KPMG, Olsson

Energy & Utility Companies: OPPD, MUD, Black Hills Energy

IMPORTANT QUALITIES:

Transferable Skills Gained:

Attention to Detail
Problem Solving
Creativity
Analytical Skills
Technical Skills

Concrete Skills Gained:

Java
Python
C/C++
GitHub
Windows/macOS

HOW TO DEVELOP YOUR SKILLS :

Join a **UNO Student Organization** within the College of IS&T to connect with other students & explore your interests

Get involved with **NebraskaCYBER** if interested in cybersecurity to spread awareness and learn more about the field

Attend events at the **UNO College of IS&T** to hear from professionals and participate in discussions

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MAJOR + MINOR SPECIALIZATION: HOW CAN I SPECIALIZE IN SOMETHING BEFORE I GRADUATE?

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Computer Science or Cybersecurity + Mathematics minor = Security Software Developer

Computer Science or Cybersecurity + IT Innovation minor = IT Support Specialist

Computer Science or Cybersecurity+ Robotics Engineering minor = Robotics Software Engineer

OCCUPATIONAL OUTLOOK:

Computer Programmers

Database Administrators

Software Developers

Network Administrators

Data Scientists

EMPLOYMENT OPPORTUNITIES:

Check out daily job postings on **Handshake** related to accounting jobs, internships, and opportunities to boost your student experience

ADDITIONAL EDUCATION:

A **Masters degree** may be beneficial after graduation depending on your desired career path. Advanced degrees offer opportunities for research, specialization, and development. ***Please keep in mind that within the Computer Science industry, an undergraduate degree is often the only degree required to secure employment and provide a lucrative career, though a graduate or doctorate degree can help with advancement to management positions.**

More information:

UNO IS&T Majors & Graduate Programs

Visit **UNO Computer Science** or UNO Cybersecurity Graduate Programs graduate programs to explore different concentrations, certifications, and admission guidelines

OTHER RESOURCES :

UNO Department of Computer Science

UNO Cybersecurity

Career Exploration in Career Services

U.S. Bureau of Labor Statistics: Occupational Outlook Handbook

NEED SOME EXTRA HELP?

Book an appointment with Career Services

Book an appointment with your Advisor:

UNO Computer Science Advising

UNO Cybersecurity Advising

Career Services

 EAB 113

 6001 Dodge Street, Omaha, NE 68182

 402.554.3672

 careers.unomaha.edu

 careers@unomaha.edu

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