

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

FNTRY & MID LEVEL POSITIONS

Software Developer Computer Programmer Database Administrator IT Support Specialist Video Game Developer Al 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, Fisery, 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 FDUCATION:

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

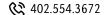
NEED SOME EXTRA HELP?

Book an appointment with Career Services Book an appointment with your Advisor: **UNO Computer Science Advising UNO Cybersecurity Advising**

Career Services



6001 Dodge Street, Omaha, NE 68182







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