

WHAT CAN I DO WITH MY MAJOR?

COMPUTER ENGINEERING

Computer engineering integrates principles of electrical engineering and computer science to design, develop, and optimize hardware and software systems.

COMMON JOB TITLES * additional education or certification required post graduation

ENTRY & MID LEVEL POSITIONS

Application Engineer
Computer Hardware Designer
Systems Engineer*
Control Systems Specialist
Microprocessor Designer
Optical Communications Engineer

Software Engineer*
Network Designer
Instrumentation Designer
Integrated Circuit Design Engineer*
Robotics Engineer*
Project Engineer

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

Technology Companies: Google, Microsoft, Apple
Electronic Manufacturing Companies: Jabil, Inc., Sanmina Corporation
Telecommunications Companies: Verizon, Cox Communications
Government: NASA, CIA, NSA
Consumer Electronics Companies: Dell, Garmin, John Deere
Healthcare Companies: Cerner Corporation, Nebraska Medicine

Aerospace & Defense Businesses: Offut Air Force Base, Honeywell Aerospace
Automotive Companies: Ford Motor Company, General Motors
Mechatronics Corporations: Rockwell Automation, ABB, Yaskawa America
Financial Institutions: Charles Schwab, FNBO, Mutual of Omaha
Universities/Colleges: UNO, UNMC, UNL
IT Service Companies: Lutz Tech, Firespring, Interpublic Group,

IMPORTANT QUALITIES:

Transferable Skills Gained:

Analytical Skills
Communication Skills
Creativity
Problem Solving
Project Management

Concrete Skills Gained:

C/C++
Java
Python
SQL
MATLAB

HOW TO DEVELOP YOUR SKILLS :

Get involved in an **ECE Student Organization** to learn more about the field, connect with other students, and participate in the community
Explore **ECE Research Opportunities** to collaborate with faculty and pursue your interests
Join **NESCO** to further advance your leadership skills, professionalism, and your future career goals

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

Computer Engineering + Robotics minor = Robotics Engineer

* additional education or certification required post graduation

Computer Engineering + Engineering Leadership minor = Project Engineer

Computer Engineering + IT Innovation minor = Software Engineer/IT Project Manager

OCCUPATIONAL OUTLOOK:

Computer Hardware Engineers

Software Developers

Network & Computer Systems Administrators

EMPLOYMENT OPPORTUNITIES:

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

ADDITIONAL EDUCATION:

Graduate School

Getting a **Masters Degree** or **Doctoral Degree** could be beneficial depending on your career goals or desired area of study, as these advanced degrees can provide deeper specialization, research opportunities, and eligibility for higher-level positions in academia, research, or specialized fields

More Information:

UNL Engineering Graduate Degree Programs

Licensure

Computer engineers are currently not required to obtain licensure, except in cases where it is a specific requirement by their employer

OTHER RESOURCES :

UNL College of Engineering

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

Career Services

 EAB 113

 6001 Dodge Street, Omaha, NE 68182

 402.554.3672

 careers.unomaha.edu

 careers@unomaha.edu

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