

WHAT CAN I DO WITH MY MAJOR?

CIVIL ENGINEERING

Civil Engineering focuses on the design, construction, and maintenance of infrastructure and public works projects such as bridges, roads, buildings, and water systems. It integrates principles of physics, mathematics, and materials science to address societal needs for safe, sustainable, and efficient infrastructure development.

COMMON JOB TITLES * additional education or certification required post graduation

ENTRY & MID LEVEL POSITIONS

Civil Engineer*
Construction Project Manager
Environmental Engineer*
Public Utilities Manager

Water Resources Engineer*
Urban Planner*
Structural Engineer*
Transportation Engineer*

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

Construction Companies: Kiewit Corporation, Hawkins Construction
Engineering Companies: Olsson, HDR, Inc., Felsburg Holt & Ullevig (FHU)
Government: NE Dept. of Transportation, NE Dept. of Energy
Utility Companies: MUD, OPPD, Black Hills Energy

Airports: Eppley Airfield, Lincoln Airport
Railroads: Union Pacific, BNSF Railway Co.
Manufacturing Companies: Valmont Industries, Behlen Manufacturing Co.
Oil Companies: Kirkpatrick Oil Company, Seagull Bay Oil & Gas

IMPORTANT QUALITIES:

Transferable Skills Gained:

Leadership & Management Skills
Critical Thinking
Math Skills
Problem Solving
Decision Making Skills

Concrete Skills Gained:

AutoCAD
Revit
Microsoft Applications
Mathcad
GIS Software

HOW TO DEVELOP YOUR SKILLS :

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

WHAT CAN I DO WITH MY MAJOR? CIVIL ENGINEERING

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

Civil Engineering + Engineering Leadership minor = Civil Engineer/Construction Project Manager * additional education or certification required post graduation

Civil Engineering + Environmental Engineering minor = Water Resources Engineer

Civil Engineering + International Engineering minor = Structural Engineer

OCCUPATIONAL OUTLOOK:

Civil Engineers

Construction Managers

Environmental Engineers

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 engineering fields

More Information:

UNL Engineering Graduate Degree Programs

Licensure

The **Fundamentals of Engineering (FE exam)** is an exam that is required to pass before achieving licensure as a professional engineer (P.E.), targeting recent graduates and those nearing completion of their undergraduate engineering studies. More information here: FE Exam

To become a licensed Professional Engineer (PE), one must pass the **Principles and Practice of Engineering Exam (PE)**. To learn more about this exam and the licensure process, please visit the **National Council of Examiners for Engineering and Surveying (NCEES)**

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

The University of Nebraska does not discriminate based on race, color, ethnicity, national origin, sex, pregnancy, sexual orientation, gender identity, religion, disability, age, genetic information, veteran status, marital status, and/or political affiliation in its education programs or activities, including admissions and employment. The University prohibits any form of retaliation being taken against anyone for reporting discrimination, harassment, or retaliation for otherwise engaging in protected activity. UNO is an AA/EEO/ADA institution. For Title IX concerns, please contact the Title IX Coordinator (phone: 402.554.2120). For ADA/504 accommodations or assistance, please call/contact the ADA/504 Coordinator (phone 402.554.2463) or the Accessibility Services Center (phone: 402.554.2872). MCTEMP2024