

WHAT CAN I DO WITH MY MAJOR?

ARCHITECTURAL ENGINEERING

Architectural engineering combines the principles of architecture and engineering to design and construct safe, efficient, and sustainable buildings. It emphasizes the integration of structural systems, environmental systems, and building materials to create functional and aesthetically pleasing structures.

COMMON JOB TITLES

* additional education or certification required post graduation

ENTRY & MID LEVEL POSITIONS:

Acoustical Consultant
Architectural Engineer*
Design Engineer*
Sustainability Consultant
Building Code Analyst
CAD Technician

Project Engineer*
Building Performance Analyst
Building Information Modeling (BIM) Manager
Fire Protections Systems Engineer*
Architectural Engineer Manager*
Lighting Designer*

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

Engineering Firms: HDR, Schemmer

Corporations: Intel, Accenture, Ford Motor

Design-Build Firms: DLR Group, RDJ Planning & Design, McNeil

MEP Firms: Olsson, Alvine Engineering, M/E Engineering

Architecture Firms: Holland Bashan, BCDM Architects

Construction Firms: Hawkins Construction, Ronco, NMG, MCL Construction

Government Agencies: NE Dept. of Transportation, NE. Dept of Admin. Services

Real-Estate Developers: White Lotus Group, Lockwood Development

Utility Companies: OPPD, MUD

Consulting Firms: HDR, Inc., HGM Associates, Morrissey Engineering Inc.

IMPORTANT QUALITIES:

Transferable Skills Gained:

Analytical Skills
Creative Skills
Critical Thinking
Problem Solving
Decision Making Skills

Concrete Skills Gained:

Microsoft Office
AutoCAD
Revit
ETABS
SAFE

HOW TO DEVELOP YOUR SKILLS :

Get involved in a **Durham School Student Organization** to learn more about the field, connect with other students, & participate in the community

Attend **Durham School Events** to enrich your student experience and explore 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?

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Architectural Engineering + Computer Science minor = CAD Technician

Architectural Engineering + Mathematics minor = Business Performance Analyst

Architectural Engineering + Engineering Management minor = Project Manager

OCCUPATIONAL OUTLOOK:

Engineers
Architectural & Engineering Managers
CAD Designers

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 Architectural Engineering & Construction

Career Exploration in Career Services

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

Career Services

NEED SOME EXTRA HELP?

Book an appointment with Career Services

Book an appointment with your Advisor

EAB 113

6001 Dodge Street, Omaha, NE 68182

402.554.3672

careers.unomaha.edu

careers@unomaha.edu

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