



Northeastern University
University Career Services

WHAT CAN I DO WITH A DEGREE IN Civil and Environmental Engineering

www.northeastern.edu/careerservices

OVERVIEW

The roads, dams, bridges, water treatment plants and all other public projects that affect society's daily lives are developed by **civil engineers**. Civil engineers also perform the structural design and analysis of buildings, such as skyscrapers. Other areas of civil engineering include construction project management, construction automation, environmental engineering, traffic analysis, and mechanics of materials.

Environmental engineers are involved in water and air pollution control, recycling, waste disposal, and public health issues. Environmental engineers conduct hazardous-waste management studies and evaluate the significance of the municipal sewage and industrial wastewater systems. They analyze scientific data, research controversial projects, and perform quality control checks.

Department website: <http://www.civ.neu.edu/>

SAMPLE JOB TITLES

Air Quality Engineer	Product Safety Engineer
Architectural Engineer	Project Engineer
City Engineer	Project Manager
Civil Engineer	Quality Assurance Manager
Civil Engineering Manager	Quality Control Manager
Construction Managers	Railroad Design Consultant
Design Engineer	Research Hydraulic Engineer
Engineer	Solid Waste Engineer
Hazardous Waste Engineer	Structural Engineer
Industrial Health Engineer	Transportation & Highway Systems Manager
Product Safety Engineer	Water Resources Engineer

Positions that require additional education or training are indicated by a ().*

Job qualifications are based not only on degree program, but on skills and experience. Students should seek out as many experiential opportunities in their fields of interest as possible, including Co-op and internships.

TYPES OF EMPLOYERS

Air Pollution Industries
Automotive Industry
Construction Industries
Environmental Protection Agency
Federal Government
Hazardous Waste Management
Hospitals and Health Care
Industrial Hygiene
Land Management

Manufacturing Industries
Public Utilities
Radiation Protection
Railroads
Regulatory Agencies
Solid Waste Disposal
Testing Laboratories
Transportation Industries
Water Supply

INTERNSHIPS

These sample titles can be used to research internship opportunities in the field.

Sustainable Solutions to Emerging Environmental problem Internships
Engineering Cities internships
HEV and PHEV) technologies internships

The following website may assist in finding summer Research Experiences for Undergraduates (REUs)

National Science Foundation

http://www.nsf.gov/crssprgm/reu/list_result.cfm?unitid=10006

To search for internship opportunities, login to [Husky Career Link](#), Career Services' online job and internship bank for opportunities with employers seeking to hire NU students.

CO-OPS

For more information, please visit the department's website.

Students enrolled in the *College of Professional Studies* may click [here](#) for co-op and internship information.

CAREER EXPLORATION & JOB POSTINGS

The following resources include various websites and campus resources that will aid you in exploring this career field and industry.

CAREER & JOB WEBSITES

[MassCIS – Massachusetts Information System](#)

[Bureau of Labor Statistics – Occupational Outlook Handbook](#)

[Vocational Biographies](#) (username: NE Univ; password: RAZDE)

[O*NET OnLine](#)

[Engineer Employment](#)

[Civil Engineering Jobs](#)

[Environmental Engineer](#)

[National Engineering Resource](#)

[Simply Hired](#)

[SME](#)

[ECO](#)

CAMPUS ORGANIZATIONS & ACTIVITIES

[IGERT](#)

[NUASCE: American Society of Civil Engineers](#)

[EWB: Engineers without Borders: Engineers Without Borders](#)

[ITI: Institute of Transportation Engineers](#)

[SHPE: Society of Professional Hispanic Engineers](#)

[SWE: Society of Women Engineers](#)

[Tau Beta Pi: Engineering Honor Society](#)

**For additional student organizations click [here](#).*

**For additional student activities click [here](#).*

PROFESSIONAL ASSOCIATIONS

Find valuable industry information, job sites, and professionals in the field you may contact for informational interview requests and networking opportunities.

[American Society of Civil Engineers](#)

[National Society of Professional Engineers](#)

[American Society of Safety Engineers](#)

[American Academy of Environ Engineers](#)

[MA Assoc. of Land Surveyors and Civil Engineer](#)

SOCIAL MEDIA

Sample LinkedIn.com Groups providing resources such as industry trends, company information, job listings, and networking opportunities within the field:

[American Society of Civil Engineers](#)

[Civil Structural Engineers Network](#)

[Environmental Engineers Group](#)

[American Society of Safety Engineers](#)