CIVIL AND ENVIRONMENTAL ENGINEERING

Civil Engineers design, construct, supervise, operate, and maintain large construction projects and systems, including roads, buildings, airports, tunnels, dams, bridges, water supply, and sewage treatment. Many civil engineers work in design, construction, research, and education, and hold supervisory or administrative positions ranging from supervisor of a construction site to working as a city engineer.

Environmental Engineers use the principles of engineering, soil science, biology, and chemistry to develop solutions for environmental problems. They are involved in efforts to improve recycling, waste disposal, public health, and water and air pollution control. They also address global issues such as unsafe drinking water, climate change, and environmental sustainability. In addition, Environmental Engineers conduct hazardous-waste management studies, in which they evaluate the significance of a hazard and advise on treating and containing waste.

Skills Acquired
- Problem-solving in realistic contexts
- Numeracy and analytical skills
- Team work
- Initiative
- Attention to detail
- Conveying complex information in simple terms

Sample Occupations
- Civil or Environmental Engineer
- Architectural and Engineering Manager
- Civil Engineer
- Structural Engineer
- Geoscientist
- Water and Wastewater Engineer
- Construction Manager
- Transportation Systems Engineer

Sample Work Settings
- Commercial and Industrial Machinery and Equipment
- Specialized Design Services
- Transit Systems
- Oil and Gas Extraction
- Construction Management

Sample Employers
- URS Corporation
- HDR, Inc.
- AECOM Technology Corporation
- Jacobs Engineering Group
- United States Army Corps of Engineers

Civil Engineer Annual Salaries (BLS, 2017): Regional Average: $99,680 | National Average: $91,790

Environmental Engineer Annual Salaries (BLS, 2017): Regional Average: $95,800 | National Average: $91,180

PROFESSIONAL ORGANIZATIONS
Learn more about the field, network, and search for scholarship, internship, and job opportunities.

- American Society of Civil Engineers www.asce.org
- United States Society of Dams www.ussdams.org
- American Concrete Institute www.concrete.org
- Earthquake Engineers Research Institute www.eeri.org
- American Academy of Environmental Engineers and Scientists www.aaees.org

JOB SEARCH RESOURCES
Keywords: Construction, Environmental, Geotechnical, Structural, Water Resources, Transportation

- Engineering Central www.engcen.com
- Engineering Jobs www.engineerjobs.com
- Engineering.com www.engineering.com/jobs
- iHireEngineering www.ihireengineering.com
- Civil Engineering Central civilengineeringcentral.com
- Green Jobs www.greenjobs.net