Environmental engineering is the planning, design, construction, operation, and maintenance of constructed facilities for the protection of human health and safety and the preservation of wildlife and the environment. It includes water supply and resources, environmental systems modeling, environmental chemistry, wastewater management, solid waste management, hazardous waste management and remediation, atmospheric systems and air pollution control, and environmental and occupational health. Typical environmental engineering projects are large, one of a kind, and important in the daily lives of a great many people. Graduates of environmental engineering programs are found in engineering and administrative posts in industry, construction, research, government, and consulting firms.\(^\text{1}\)

**Career Areas/Job Titles:**

**Management and Industry**
- Research and Design Specialist
- Engineering Technician
- Design Specialist
- Hazardous Waste Manager
- Environmental Engineer
- Marketing Specialist
- Water Quality Specialist
- City and Regional Planner
- Climatologist
- Communication and Media
- Soil Conservationist

**Education**
- Technical Writer
- K-12 Science Teacher
- Professor
- Health Professions
- Librarian
- Health and Safety Manager
- Sustainability Coordinator
- Science and Technology
- Non-Profit/Advocacy
- Global Development Specialist
- Recycling Coordinator
- Government/Politics
- Environmental Lawyer
- Policy Analyst
- Lobbyist
- Ecological Restoration Specialist
- EPA Employee

*Some careers may require licensure, certification, or further education. Talk to an advisor about specific requirements.*

**Transferable Skills:**

- Biology Focus
- Written Communication
- Building and Construction
- Motivating Others
- Engineering Fundamentals
- Service Orientation
- Law and Policy Awareness
- Teamwork
- Expressing Ideas
- Creativity/Imagination
- Negotiation
- Defining Needs
- Persuasion
- Gathering Information
- Speaking Effectively
- Setting Goals
- Written Communication
- Adaptability/Flexibility
- Written Communication
- Attention to Detail
- Written Communication
- Judgment & Decision Making
- Written Communication
- Initiative
- Written Communication
- Organization Skills
- Written Communication
- Strategic Planning/Visioning
- Written Communication
- Creating Innovative Solutions
- Written Communication
- Analytical/Critical Thinking
- Written Communication

*This is not an extensive list of transferable skills. See larger list of skills you might develop here: [http://ccss.osu.edu](http://ccss.osu.edu)*

**Professional Links:**

- National Society of Professional Engineers: [http://www.nspe.org](http://www.nspe.org)

[University Exploration](http://majors.osu.edu/pdfview.aspx?id=56)