



# Environmental Engineer

Environmental Engineers investigate issues within the environment and design solutions in areas such as water and air pollution and waste management.



Inspiring Minds to Grow


Funded by the Department of Commerce and Economic Opportunity


# career profile

Name: Roger Blackwell  
Job Title: Environmental  
Engineer


Employer: Environmental Consulting Services

Education: BS, University of California: Irvine

 I was always pretty good in math and science, so I decided to pursue an engineering degree in college. As a college freshman, I attended an Earth Day celebration and was turned on to environmental issues. From that point on, I knew I wanted to be an environmental engineer.

 I work for an environmental engineering consulting firm that provides services related to air and water pollution management, waste disposal, hazardous waste management, remediation and spill cleanup, recycling, and public health issues. I am a specialist in the areas of wastewater and waste disposal. I continually draw upon my knowledge in agricultural engineering, ecology, chemistry, hydrogeology, statistics, public health, wastewater management, and solid waste management. I provide technical support to

operators of food, ethanol, and feed production facilities. I make recommendations so that issues with environmental pollution can be avoided. Compliance with environmental regulations is a big part of my job, and I must interpret environmental engineering laws. I assist in creating company environmental management plans and protocols. I provide advice on how to implement companywide priorities for reducing waste and environmental stewardship. Sometimes I participate in employee training on compliance practices and requirements.

 I couldn't be happier with my career. The company I work for is great, and I know that my work is important in protecting both the companies that contract for my services and the environment.





# Environmental Engineer

## overview



An **environmental engineer** applies science and engineering principles in order to improve the environment, remediate polluted sites, and provide healthier air, land, and water for human habitation.

## suggested high school courses



[environmental science](#), earth science, biology, chemistry, computer science, and mathematics

## experience needed



Participate on campus in labs and research trials when possible. Seek an internship while in school to gain practical experience.

## degree(s) required



A bachelor's degree in agricultural, civil, environmental, or chemical engineering is required. It is strongly recommended that a Licensed Professional Engineers Certificate is obtained.

## potential employers



environmental organizations, food science companies, governmental agencies, plant research companies, universities

## salary range



\$47,660 to \$115,750

## employment outlook and trends



The outlook for environmental engineers is projected to be **high**.

## professional organizations



American Academy of Environmental Engineers [www.aeee.net/](http://www.aeee.net/)  
American Society of Agricultural and Biological Engineers [www.asabe.org/](http://www.asabe.org/)



## Want to Learn More?

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