



nº da inscrição:

MINISTÉRIO DA EDUCAÇÃO  
Universidade Federal de Ouro Preto  
Programa de Pós-Graduação em Engenharia Ambiental – PROAMB



# Prova de Seleção ProAmb – Doutorado 2019 LÍNGUA INGLESA 03/12/2018

Instruções aos candidatos:

- (1) O candidato que assinar a prova ou que se identificar de qualquer maneira será desclassificado.
- (2) Preencher o **número de inscrição** em todas as folhas.
- (3) Usar caneta preta ou azul.

After reading, please translate the following text into Portuguese:

(Adapted from <https://www.environmentalscience.org/career/environmental-engineer>)

Mining, manufacturing and industry run our society - our lives wouldn't be the same without them. But they unfortunately create a lot of pollution and waste. Environmental engineers are experts who help minimize and manage waste and pollution, protecting the air, water, soil, and ourselves from harmful chemicals. They often coordinate these activities, making sure the companies they work for, as an example, are in compliance with all environmental regulations. Also, they are responsible for designing, planning, and implementing measures to prevent, control, or remediate environmental hazards. They may work on waste treatment, wastewater treatment, site remediation, or pollution control technology.

In this context, environmental engineering is the branch of engineering that focuses on protecting the environment by reducing waste and pollution. The field is also dedicated to improving environmental conditions through remediation. It deals with the design of technologies and processes that control pollution releases and clean up existing contamination.

Our environmental laws would mean little without professionals like these who know how to implement them at the facility level. These valuable professionals help control pollution, and design new technologies to engineer a better world.

Environmental engineers use their scientific knowledge to design systems that control pollution and protect public health. For example, they design systems, processes, and equipment to control waste and pollution, such as stack scrubbers and wastewater management systems; this includes industrial wastewater. Environmental engineers coordinate waste management and recycling activities at manufacturing sites and mines. They make sure it's treated and disposed of in accordance with all environmental and health regulations.

In addition to controlling pollution, environmental engineers also design systems, processes, and equipment to help clean it up. The systems they create restore air, soil, and water quality at sites that have already been contaminated. Some environmental engineers work at the front lines of the clean energy economy, developing systems that convert waste into electric power.



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