



# STEM Careers

## Industrial Ecologist

**Job Description:** Use your knowledge of the physical and social sciences to promote effective use of natural resources in industrial production processes.

### What does an Industrial Ecologist do?

- Identify products, systems, or projects that have an impact on the environment
- Prepare plans to manage renewable resources
- Look at local, regional, or global use of materials or energy in industrial production processes
- Identify strategies to minimize environmental impact of industrial production processes
- Recommend methods or alternatives to industries to help protect the environment and be more sustainable
- Perform field research in areas like industrial production, population ecology, sustainability, and more.

### Your Interests:

- Are you interested in promoting sustainable alternatives?
- Do you like examining the impact we have on the environment?
- Are you interested in changing how industries impact the environment?
- Do you like working on research and projects?

### Outlook: **Green, Bright**

Average Salary - \$34.31 hourly, \$71,360 annual

Projected Job Openings - 10,300 over the next 10 years.

### Education/Program of Study:

- Most occupations require a master's degree, while some might require a doctorate
  - Possible degrees could be a master's or doctorate in environmental science, biology, or related fields

Sources:

<https://www.onetonline.org/link/summary/19-2041.03>