

# Careers in environment

- Over the last 100 years, many of the technological and industrial processes that we heavily rely on, have deeply impacted our environment.
- Climate change, acid deposition and hazardous waste disposal has forced the world to take a closer look at how we interact with our environment.
- This has spurred demand for researchers, educators, engineers and policy makers with a firm grounding in theoretical and practical aspects of environmental studies.

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- Career options have mushroomed for those who want to work in the field of environment.
- These careers are generally multidisciplinary, encompassing diverse fields such as
  1. Geography,
  2. Biology,
  3. Agriculture,
  4. Engineering,
  5. Geology,
  6. Management,
  7. Policy And Planning And Many More

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# Interdisciplinary nature of careers in environment

- A career in environment studies calls for a strong interdisciplinary perspective. One can choose from an incredible diversity of career options centered on environmental concerns.

Over the last three decades, the study of environmental issues has grown from a niche in the field of biology to an overarching interdisciplinary arena of investigation and application. Studying how people interact with the environment and how this influences the environment requires an understanding of science and technology, economics and even sociology.

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# Diverse career options

A course in environmental studies can prepare you for careers in areas such as

1. Research
2. Engineering
3. Business management
4. Information technology
5. Public /government service
6. Education and training
7. Communications and public relations
8. Media
9. Environmental activism
10. International issues
11. Planning
12. Architecture
13. Law
14. Tourism
15. Ethics and philosophy

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# Nature of work

The job profiles of environmentalists are as diverse as the problems they address. Here is a brief overview.

## Ecologists

- **Ecologists** are concerned with the interrelationship between the constituents of nature.
- Ecology is the study of the relations of organisms, or of local ecosystems, to their environments. The field is often called environmental biology.
- Ecologists usually have a life sciences background. Their work often involves pure research in a university or government agency setting.

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# Conservationists

- **Conservationists** devote their careers to the protection and judicious use of our natural resources - soil, water, forests, minerals, wildlife, and grazing lands.
- Conservation is closely related to ecology, the major differences being in emphasis.
- While ecologists are interested in studying and understanding the environment as it is, conservationists are interested in using the environment and its resources and in creating a better environment.

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# Environmental designers

- **Environmental designers**, architects, planners and urban development officials deal with land use and the "built" environment.
- Architecture is the art and science of designing buildings and the spaces between them.
- Land management refers to balancing one use of land against another to achieve maximum value in keeping with social, economic and environmental considerations.

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# Other environmentalists work in

- Social,
  - Political,
  - Legal,
  - Health,
  - Educational arenas
- to protect the environment.

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# Their skills include

- Writing,
- Speaking,
- Research,
- Analysis,
- Teaching,
- Training,
- Negotiating
- Persuading.

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# Course

- Certificate in Environmental Studies
- Diploma in Environmental Management
- Diploma in Environmental Science 1Yr
- Diploma in Environmental Science
- B.E in Environmental Engineering
- B.Tech in Environmental Engineering
- B.Tech Environmental Engineering
- B.Tech. in Environmental Engineering
- B.E. in Environmental Engineering
- B.E.in Environmental Engineering
- B.Tech Environmental Engineering
- B.E in Environmental Engineering
- B.E in Environmental Engineering
- Bachelor of Environmental Management
- Bachelor of Environment Management

# University

- Indira Gandhi National Open University
- University of Rajasthan
- The Maharaja Sayajirao University of Baroda
- Andhra University
- University of Mysore
- Visweshwariya Technological University
- Anna University
- Bundelkhand University
- Kolhapur Institute of Technology
- L.D College of Engineering, Gujarat University
- Delhi College of Engineering
- Visweswariya Technological University
- College of Engineering, Visakhapatnam
- Gandhi Institute of Technology and Management, Andhra University
- University of Madras

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# Course

# University

- B.Sc Environmental Science
- B.Sc in Environmental Sciences
- B.Sc in Environmental Sciences
- B.Sc in Environmental Sciences
- B.Sc in Environmental Sciences
- B.Sc (Hons)in Environmental Science
- 
- B.Sc (Hons)in Environmental Science
- B.Sc (General) Environmental Sciences
- B.Sc (General) Environmental Sciences
- B.Sc in Environmental Science
- Berhampur University
- Charutar Vidya mandal
- Manipur University
- MS University of Baroda
- Dr. Ram Manohar Lohia Awadh University
- Swami Ramanand Teerth Marthwada University
- Patna University
- University of Delhi
- Delhi University
- Kakatiya University

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# Volunteer

Volunteer work is really important to get a foot in the door.

1. The duration and amount of work can be as diverse as the work itself.
2. There are many organisations that will take on volunteers; some advertise, some don't.
3. It is important to be proactive and approach an employer - this shows initiative.
4. If you are lucky there may be a chance of getting ongoing work with the organisation after some time, and if not, the initiative and skills learned will stand out on your CV.
5. Non-government organisations (NGOs) are frequently looking for volunteer help. Interested in volunteering with CSE?