



Why choose a career in Environment Science?

With the recognition of the need for sustainable development by Governments and corporates all over the world in the face of growing environment challenges environment science has become a much sought after career. A large number of industries and organizations have today committed or make commitments to sustainability and it is in this context, that 'green jobs' exist in almost all sectors. The UNEP Report on green jobs shows that the the need to meet emission reduction targets has led to changing patterns of investment flows resulting in a multitude of 'green jobs'.

The pace of green job creation will only accelerate in the years ahead. A global transition to a low-carbon and sustainable economy is creating large numbers of green jobs across many sectors of the economy, and is indeed on its way to becoming the engine of development. Climate Change agreements signed by many countries result in support payments for managing forests for their carbon absorption potential opening up new opportunities for 'green jobs'. An agreement by 2010 under the Convention on Biological Diversity on Access and Benefit Sharing of Genetic Resources has triggered similar North-South funding flows with job

implications in conservation and natural resource management.

The job outlook for environment scientists is excellent. This occupation is projected to experience much faster growth, through 2018, than other occupations requiring at least a master's degree (The U.S. Bureau of Labor Statistics). The need for environmental engineers will continue to increase as we strive to cope with expanding urbanization, crumbling infrastructures, global climate change, and an increase in the human population.

This field offers an enjoyable and satisfying career with many different opportunities.

*India likely to see about 1 mn "green jobs" in next two years..
Economic Times,
August 2014*



Employers of BVIEER alumni

Nature of green careers

The job profiles in green careers are as diverse as the problems they address. A degree in Environment Science and Technology definitely sets the pace in building a green career. Your employer can be private consulting engineering firms, universities, private research firms, testing laboratories, government agencies at different levels, or all types of major corporations and private businesses.

Some of the careers are profiled below:

1. Environmental Scientists:

As an environmental scientist one can be involved in treatment of toxic as well as non-toxic wastes as well as municipal solid waste management, air pollution management which includes modeling, forecasting, developing clean technologies for air and water pollution control, watershed management and landuse planning.

2. Environmental Engineers:

Environmental engineers are involved with designing, constructing, and maintaining systems to control waste produced in urban and rural areas or by industries and developing strategies for protecting areas under environmental threat. The buzz word today is clean technologies and this is rapidly growing sector.

3. Environmental Managers for the Industrial Sector

A growing need today is of environmental managers in

industries which involves advising businesses, pressure groups and political parties on a huge range of environmental issues. These include waste disposal, managing contaminated land, creating corporate environmental strategies and the management of sensitive habitats. Environmental impact assessments and environmental auditing are two of the main tasks for which an environmental manager is employed both in the private sector and by Government monitoring bodies such as the Pollution Control Boards in every state. Large companies in sectors such as chemicals, energy production and mining need specialist managers to ensure that the organization meets its environmental obligations and adheres to rules and norms that have been developed by the Government.

The salaries in these sectors range from Rs. 2.40 lakhs per annum to Rs. 5.00 lakhs per annum for a fresh graduate and 12-15 lakh per annum for mid level positions depending upon your skills and expertise.



Nature of green careers

4. Environmental Consultant

Independent environmental consultants undertake environmental impact assessment, environmental audits, implement better waste management, create environmental policy and advice on ecological land management.

5. Environmental Auditors

Environmental auditing is a relatively new and fast growing area. The work maybe in waste minimization, conducting comprehensive general environmental reviews., involve looking at the management structure of organizations to make sure that the commitment, resources, training and allocation of responsibilities exists to put an environmental management system in place.

6. Natural Resource Managers

If you love to work with communities, then this is the field for you. You will be involved in managing natural resources through the application of technology, policy and eliciting public participation. Your job will involve managing watersheds, afforestation, ecorestoration, ex-situ conservation programs that are increasingly implemented by both Government and NGOs.

8. Wildlife Managers

This highly enjoyable career ensures that you are applying your knowledge of wildlife and human interrelationships in nature as well as your skills in management for managing wildlife.

9. Eco - Tourism Managers

Conservation of wildlife and wildlands is now closely linked to eco-tourism another rapidly developing field.

10. Environmental Educators and Communicators

Reporting environmental issues such as people-wildlife conflicts, outbreak of environment related diseases, natural disasters, nuclear tests, construction of dams are issues that are increasingly addressed by newspapers and televisions. CNN-IBN and other news channels have dedicated environmental journalists. Teaching is another rewarding career that can be taken up.

The demand for environmental professionals is expected to go up by 55-60% as firms are raising their spending on clean technology, reducing emissions and waste, and regulating use of natural resources

Indian Express
January 2014



Why choose BVIEER?

Today there are a large number of Universities that offer a Masters/Doctoral program in Environment Sciences.

However doing the course from a dedicated institute like the Institute of Environment Education and Research, Bharati Vidyapeeth University, Pune, (BVIEER) that have special expertise that translates into stronger courses and pedagogy helping students to jumpstart a 'green career'.

The BVIEER set up in 1994 is a premier institute part of the Bharati Vidyapeeth University (a fifty year old institution) which is a NAAC accredited 'A' grade (2004) and reaccredited 'A' grade (2011), UGC 'A' grade ranked University.

It is a unique educational and research institution with its innovative teaching program that supplements classroom teaching with field work, guest lectures, group discussions, projects and internships. It has worked in the field of environmental policy building and furthered academic excellence through various collaborations with international Universities such as the University of Cologne, Germany, University of Maastricht, Netherlands and host of national institutions.

Its alumni are today well placed in national and international organizations of repute and are building satisfying careers.

Students joining BVIEER would have an opportunity to be a part of the multitude of projects implemented by the faculty providing them with hands-on experience even before passing the course. Through its collaborations, students have an opportunity to interact with prospective employers. Research at the BVIEER ranges from urban development, ecorestoration, corporate social responsibility, biodiversity conservation, sustainable development, environmental policy analysis, culture and environment, environmental health, etc.

The building of the BVIEER is a 'green' building that has a very low carbon footprint and serves as a model of sustainability.

Highlights of the BVIEER course

Choice based credit system

International internships

State of art laboratory

Highly qualified and expert faculty

For admission queries

Email: admission@bvieer.edu.in

Call: 08380846282
020-24375684
020-24362155

Common Entrance Test for admission to M.Sc. (Environment Science and Technology) at BVIEER is on Saturday 4th June 2016

For more information log on to <http://ieer.bharatvidyapeeth.edu>