



Environmental Science

The subject of Environmental Science is a multi-disciplinary comprising of various branches like chemistry, geology, Geo-chemistry, physics, life science, agriculture, public health, sanitary engineering and so on. Precisely the subject encompasses various areas like ecology, toxicology, pollution control and management, geomorphology, remote sensing, wild life management, bio-diversity conservation of natural resources, Biotechnology and Microbiology.

Recent faster growth in industrialization and urbanization has disturbed the natural balance of the environment and the result is unsustainable process of growth and development. Catastrophes like climate change, global warming, earthquake, desertification and coastal inundation are fast plaguing the individual and society. In the time of environmental degradation, the scientific education is also experiencing paradigm shift from classical to the applied one. The subject of environmental science is therefore, precisely designed for training the youth to tackle with all environmental issues.

Environmental science graduates have multiple career option. They can work with different government department and agencies like forest and environment, pollution control, urban planning, industries, water resources and agriculture etc.

Now NGOs working for environmental protection are a good option for an environmental scientists. Private industries and firms also absorb a large chunk of environmental scientists. Waste treatment industries, refineries, distilleries, mines, fertilizer plants, food processing industries and textile mills employ environmental scientists. Environmental scientists also can be involved in research activities at national and state level agencies. Environmental scientists also can seek employment in media as environmental journalists. Teaching in colleges, universities is also a good option available for environmental science candidates. There are ample opportunities for successful placement, research fellowship and grants for higher degree like Ph. D.

[Second Year]

Semester- 3

Core Courses		
Environmental Science	1.	Concepts of Ecology
	2.	Fundamentals of Environmental Science
	3.	Practical Based on ENV 01 and 02
Biology	1.	Cytology
	2.	Fundamentals of genetics and evolution
	3.	Practical Based on BIO 01 and 02
Elective Courses		
Elective	1.	Elective
	2.	Elective
Foundation Course		
	1.	Functional English

Semester- 4

Core Courses		
Environmental Science	1.	Components of ecology
	2.	Environmental Pollution, Wildlife & Biodiversity
	3.	Practical Based on ENV 01 and 02
Biology	1.	Concepts of Biology
	2.	Genetics
	3.	Practical Based on BIO 01 and 02
Elective Courses		
Elective	1.	Elective
	2.	Elective
Foundation Course		
	1.	Functional English

[Third Year]

Semester- 5

Core Courses		
Environmental Science	1.	Environmental Biotechnology
	2.	Pesticide, Herbicide, Fungicide Toxicology
	3.	Environmental Pollution
	4.	Earth System Sciences
	5.	Natural Resources
	6.	Population Dynamics & Biostatistics Env. Sci
	7.	Practical Based on ENV 01 and ENV 02
	8.	Practical Based on ENV 03 and ENV 04
	9.	Practical Based on ENV 05 and ENV 06

Semester- 6

Core Courses		
Environmental Science	1.	Environmental Microbiology
	2.	Environmental Toxicology
	3.	Waste Management
	4.	Oceanography & Remote sensing
	5.	Ethnobiology, Biodiversity, Forestry & Wildlife
	6.	Environmental Issues & Legislation
	7.	Practical Based on ENV 01 and ENV 02
	8.	Practical Based on ENV 03 and ENV 04
	9.	Practical Based on ENV 05 and ENV 06