Sponsored Candidates
Candidates working in the industry/government are encouraged to apply for the full-time MSc programmes. Up to five seats can be reserved in each programme for such candidates. All those who satisfy the minimum qualification requirement may be admitted to the programme after an interview. These candidates are required to submit, at the time of interview, a sponsorship certificate from their employer on a company letterhead, stating the period of his/her study at the University, the candidate will be treated as on-duty with usual salary and allowances and that he/she will be fully relieved for the period of study for pursuing his/her studies.

Pedagogical Tools
The pedagogical tools will comprise not just the classroom lectures but also case studies, field visits, term papers, assignments and tutorials, guest lectures by practitioners and experts, seminars, and discussion forums.

Placement
The students who complete MSc-CSP programme possess the requisite confidence and skills to work as research officers and policy analysts in both public and private organizations. It will also be a structured route to doctoral research work. The University has a Placement Cell that helps students find suitable organizations to do their minor and major projects as well as get final placement.

Some of the organizations where the students have been placed in the past are given below:

• Shakti Sustainable Energy Foundation
• Institute of Rural Management Anand (IRMA)
• International Council for Local Environmental Initiatives (ICLEI)
• Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)
• Federation of Indian Chambers of Commerce and Industry (FICCI)

Department of Natural Resources
The Department of Natural Resources was established in 2003 with a grant received from the Ford Foundation. It aims to create excellence in the fields of environment, climate change, geoinformatics and resource management. It aspires to impart knowledge, skills, and values about ecological and social processes, their interplay and management in fostering a sustainable man and his environment. The students who complete MSc CSP programme possess the requisite confidence and skills to work as research officers and policy analysts in both public and private organizations. It will also be a structured route to doctoral research work. The University has a Placement Cell that helps students find suitable organizations to do their minor and major projects as well as get final placement.

Some of the organizations where the students have been placed in the past are given below:

• Shakti Sustainable Energy Foundation
• Institute of Rural Management Anand (IRMA)
• International Council for Local Environmental Initiatives (ICLEI)
• Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)
• Federation of Indian Chambers of Commerce and Industry (FICCI)

Department of Natural Resources
The Department of Natural Resources was established in 2003 in collaboration with Indian Institute of Science, Bangalore, and with support from Ford Foundation. It aims to create excellence in the fields of environment, climate change, geoinformatics and resource management. It aspires to impart knowledge, skills, and values about ecological and social processes, their interplay and management in fostering a sustainable man and his environment. The students who complete MSc CSP programme possess the requisite confidence and skills to work as research officers and policy analysts in both public and private organizations. It will also be a structured route to doctoral research work.

The University has a Placement Cell that helps students find suitable organizations to do their minor and major projects as well as get final placement.

Some of the organizations where the students have been placed in the past are given below:

• Shakti Sustainable Energy Foundation
• Institute of Rural Management Anand (IRMA)
• International Council for Local Environmental Initiatives (ICLEI)
• Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)
• Federation of Indian Chambers of Commerce and Industry (FICCI)

Department of Natural Resources
The Department of Natural Resources was established in 2003 in collaboration with Indian Institute of Science, Bangalore, and with support from Ford Foundation. It aims to create excellence in the fields of environment, climate change, geoinformatics and resource management. It aspires to impart knowledge, skills, and values about ecological and social processes, their interplay and management in fostering a sustainable man and his environment. The students who complete MSc CSP programme possess the requisite confidence and skills to work as research officers and policy analysts in both public and private organizations. It will also be a structured route to doctoral research work.

The University has a Placement Cell that helps students find suitable organizations to do their minor and major projects as well as get final placement.

Some of the organizations where the students have been placed in the past are given below:

• Shakti Sustainable Energy Foundation
• Institute of Rural Management Anand (IRMA)
• International Council for Local Environmental Initiatives (ICLEI)
• Deutsche Gesellschaft für Internationale Zusammenarbeit GmbH (GIZ)
• Federation of Indian Chambers of Commerce and Industry (FICCI)

About TERI University
Academic programmes at the TERI University are focused around the challenges of providing for a rising global population with a limited and degraded natural resource base. In moving towards sustainability, the implicit understanding is that there is no panacea or straight road, with recognized and established methodologies, tools or specializations leading to such development. The solutions therefore do not lie in a specific subject discipline, but must be appropriate and relevant to the context or the practical problem being addressed. Developing such an understanding among its students is best achieved through exposure to a variety of subjects, tools, and methodologies offered in interdisciplinary mode. This has been the guiding philosophy behind the programmes offered by the TERI University and is practiced by building a theoretical understanding in courses covering a variety of traditional disciplines, such as ecology, natural and social sciences, governance, policy, law, and engineering.

Over a period of two years, students converge upon a few areas of focus based upon their interest, having been exposed to a new way of thinking that looks at problems not from the lens of a subject specialist, but from the perspective of one who recognizes the complex links between man and his environment.

Apart from doctoral research, the TERI University offers MSc degree programmes in Environmental Studies and Resource Management, Environmental and Resource Economics, Geoinformatics, Climate Science and Policy, and Plant Biotechnology; MBA programmes in Infrastructure and in Business Sustainability; and MTech programmes in Renewable Energy Engineering and Management, and Urban Development and Management.

The University offers two MA programmes, one in Public Policy and Sustainable Development, and the other in Sustainable Development Practice. TERI University is one of a select group of 22 institutions chosen worldwide by the MacArthur Foundation, USA, to run the Sustainable Development Practice programme. The University uses modern pedagogical tools, richly supplemented by field visits, live industry projects, and hands-on applications. It provides the very best in equipment and instruments, which includes state-of-the-art computer facilities, well-equipped laboratories, video-conferencing facilities, and access to South Asia’s most comprehensive library on energy and environment.

TERI University has established excellent partnerships and collaborative arrangements with a number of institutions overseas, including Yale University, USA; Freie University of Germany; Utrecht University, The Netherlands; North Carolina State University, USA; and University of Technology, Australia.

www.teriuniversity.ac.in
Tel. +91 11 7180 0222-251
Fax +91 11 26122874
E-mail registrar@teriuniversity.ac.in
Web www.teriuniversity.ac.in
July 2014 (500)
Climate Science and Policy

Climate change is a pressing environmental concern in the present era of development, with implications on energy, water resources, agriculture and food security, ecosystems and biodiversity, coastal zones, and human health. Changes in global temperature is expected to increase the frequency and intensity of natural hazards and extreme events whose consequences are likely to be felt most intensely by poor and vulnerable communities of the society. Adressing climate change requires a good scientific understanding, as well as coordinated actions and policies at the local, national, and global levels. As part of the community of scientists searching for solutions, TERI University offers MSc in Climate Science and Policy programme. It is an intensive four-semester programme intended to imbue present and future professionals in the arena with practical and theoretical knowledge in scientific and policy issues relevant to climate change.

Programme Overview

Climate change is likely to be one of the most challenging issues mankind will face in the 21st Century. To involve and educate larger number of people in this area, and to provide professionals with an improved understanding of the subject, the MSc (Climate Science and Policy) programme aims to impart knowledge on mitigation and adaptation strategies.

The Programme, offered by the Department of Natural Resources, intends to create professional capability in assessing and managing the risks posed by climate change, and provide a sound base in the scientific arena as well as in the economic dimensions of climate change policy, mitigation, and adaptation strategies. Delivered through a diverse range of courses in the two years of study, the Master's degree will also provide a structured route to research and development in the area.

Programme Outline

The Programme comprises a set of core courses taught during the first and second semesters. This will be followed by a minor project to be completed during summer internship. A set of elective courses, taught in the third semester allows students to gain in-depth knowledge and specialize in a particular area. In the final semester, students are expected to carry out research in a company or organization outside the University to gain exposure to real-life situations.

Eligibility Criteria

A Bachelor's degree in Science/Engineering/Economics/Mathematics/Statistics/Geography with a minimum Cumulative Grade Point Average of 6.75 on a 10 point scale or equivalent, as determined by TERI University, wherever letter grades are awarded, or 60% marks in aggregate, wherever marks are awarded. For candidates with Bachelor's degree in Humanities (e.g., Economics/Geography), a relaxation of 5% / 0.75 Cumulative Grade Point Average could be allowed.

Programme Overview

The Programme

Climate change is likely to be one of the most challenging issues mankind will face in the 21st Century. To involve and educate larger number of people in this area, and to provide professionals with an improved understanding of the subject, the MSc (Climate Science and Policy) programme aims to impart knowledge on mitigation and adaptation strategies.

The Programme, offered by the Department of Natural Resources, intends to create professional capability in assessing and managing the risks posed by climate change, and provide a sound base in the scientific arena as well as in the economic dimensions of climate change policy, mitigation, and adaptation strategies. Delivered through a diverse range of courses in the two years of study, the Master's degree will also provide a structured route to research and development in the area.

Programme Outline

The Programme comprises a set of core courses taught during the first and second semesters. This will be followed by a minor project to be completed during summer internship. A set of elective courses, taught in the third semester allows students to gain in-depth knowledge and specialize in a particular area. In the final semester, students are expected to carry out research in a company or organization outside the University to gain exposure to real-life situations.

Semester 1

- Basics of Climate Science
- Energy and Environment
- Environmental Geosciences
- Environmental Laboratory for Climate Scientists
- Law and Policy of Climate Change
- Environmental Law and Policy
- Introduction to Sustainable Development
- Research Methodology and Thesis Writing
- Applied Mathematics

Semester 2

Core Courses
- Basic Course in Environmental and Resource Economics
- Principles of Geoinformatics
- Technical Writing
- Environmental Statistics

Elective Courses
- Air Pollution and Climate Change
- Climate Change Vulnerability, Impacts, Adaptation, and Resilience
- Seminar Course in Global Change
- Mitigation of Climate Change

R K Pachauri
Chancellor, TERI University

Of late there has been a growing realization that India should emerge as an economy driven by knowledge. Given the rapid progress that intellectual enterprises are making worldwide, higher education must benefit from a continuous accretion of knowledge through research. This is what TERI University is attempting to do through all its programmes, for the benefit of not only Indian citizens but people from other countries as well who would pass through the portals of this Institution. This University offers education supported by rigorous research.

Minor Project

As a part of summer internship, students undertake a minor project for 8 weeks with a relevant industry or organization. The minor project is supervised by a professional/researcher in that industry/organization. The project carries credits and is assessed and graded.

Semester 3

- Elective Courses
  - Climate Modelling
  - Economics of Climate Change
  - Ecosystem Dynamics and Climate Change
  - Glacier Hydrology
  - Governance of Climate Change
  - Satellite Meteorology
  - Spatio-Temporal Data Analysis
  - Sustainable Urban Habitat and Climate Change
  - Independent Study

Other Elective Courses
- Cultural Ecology and Development
- Multivariate Data Analysis
- Environmental Management System

In addition, students can choose electives from other disciplines also.

Semester 4 (Major Project)

In the final semester, students carry out a structured major project (MSc dissertation) in an industry or organization. The major project is carried out under the joint supervision of a professional/researcher in the industry and a faculty member at the TERI University. The project carries credits and is assessed and graded.

Eligibility Criteria

A Bachelor's degree in Science/Engineering/Economics/Mathematics/Statistics/Geography with a minimum Cumulative Grade Point Average of 6.75 on a 10 point scale or equivalent, as determined by TERI University, wherever letter grades are awarded, or 60% marks in aggregate, wherever marks are awarded. For candidates with Bachelor's degree in Humanities (e.g., Economics/Geography), a relaxation of 5% / 0.75 Cumulative Grade Point Average could be allowed.

Selection Procedure

Admission to the MSc programme is made on the basis of an online test and interview conducted by the University. Applications are invited from the candidates by advertising the Programme in some leading newspapers every year. Duration of the test is one hour long and consists of one paper with 100 multiple-choice questions.