

## Curriculum

The curriculum is designed to impart both theoretical and practical knowledge in related disciplines of Environmental Science and Natural Resources. The teaching program emphasizes on students' active participation and involvement in learning.

First Semester	
Subjects	Cr
Natural Resources Conservation	3
Environmental Planning and Management	3
Environment and Resource Economics	3
Human Dimensions of Environment	3
Biodiversity and Protected Area Management	3
Environmental Pollution	3

Second Semester	
Subjects	Cr
Surveying, GIS and Remote Sensing Techniques	3
Research Methodology	3
Statistical Applications	2
Strategic Environmental Assessment	2
Elective	3
Elective	3
Elective	3

Third Semester	
Environmental Monitoring and Laboratory Analytical Techniques	3
Independent Case Studies	1
Research Seminars and Workshops	1

Fourth Semester	
Thesis	12
Total Credits	57

Some Elective Courses	
Climate Change Adaptation & Mitigation, Advances in Aquatic Ecology, Forests and Climate Change, Ecotoxicology and Ecosystem Health, Disaster Risk & Vulnerability Assessment, Pollution Control Technologies etc.	

### For Further Information

Department of Environmental Science and Engineering (DESE)

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Dhulikhel, Kavre, Nepal

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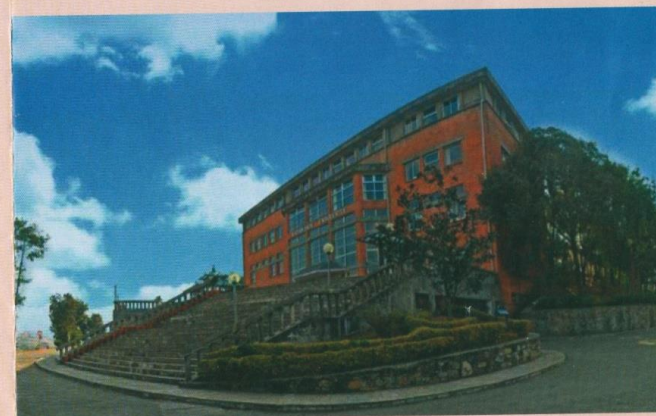
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**KATHMANDU UNIVERSITY**

*Quality Education for Leadership*



**M. Sc. in  
Environment and Natural Resources**  
Department of Environmental Science and Engineering  
School of Science



## Introduction

Kathmandu University (KU) was established in November 1991 as an autonomous, not-for-profit, non-governmental public institution dedicated to maintaining high standards of academic excellence. The Department of Environmental Science and Engineering (DESE) is a pioneer department of School of Science, Kathmandu University which started few programs first in Nepal. As such graduate studies program in Environmental Science and Natural Resources (M. Sc. ENR) was started in 2000. The department has produced 140 Master-level, 5 M. Phil. and 26 Ph. D. graduates till 2018.

The program was conceived in response to growing societal need for professionals in the field of environment capable of dealing with the wide variety of complex and interrelated issues at institutional, industrial and community levels. It emphasizes both scientific competency as well as applied skills like planning, management, policy analysis and information technology for re-designing the environment for sustained enhancement of its quality.



## Our Mission

- Produce professionals with sound theoretical and practical background in environmental processes, problems and issues through an integrated systems approach.
- Develop personnel with specialized knowledge in applied research and development, impact assessment, pollution monitoring and control and natural resource management.



## Career Opportunities

The rigorous practical and project-based trainings prepare students for good positions.

- Government departments
- Non-governmental organizations
- Projects and development agencies
- Environmental consultancies
- Environmental impact assessments
- Academic institutions, research centers and industries.



## Application Requirements

To be admitted, prospective students of M. Sc. in Environment and Natural Resources program must have 16 years of schooling with prior four-year undergraduate degree in Environmental Science, Agriculture, Forestry or any science discipline after high school, Bachelors in Engineering disciplines with a minimum 50 % aggregate or CGPA of 2.0 from any recognized university.

There will be entrance exam and/or screening interview for the prospective students. Application forms are available at the office of the Head of the Department and contact information is given at the end of this brochure.

## Fees and Scholarships

Total cost of the two-year M. Sc. in Environmental Engineering program is NRs. 370,000 (2019). University Grants Commission (UGC), Nepal provides Formula Based Funding Scholarship to sizeable number of deserving M. Sc. students.



The department also provides Silver Jubilee Graduate Assistantship to needy and deserving M. Sc. students. Need and merit based partial tuition fee waiver scholarships are available as per KU provisions.

## Evaluation Scheme

Evaluation is based on continuous assessment. Students are evaluated through class participation, assignments, practical and projects works, term papers, in-semester and end-semester examinations and defense of dissertation. At the end of semester, for each course, student will be evaluated on a 4-point scale indicated by letter grades.

Grade	A	A-	B+	B	B-	C+	C	F
Grade Point	4	3.7	3.3	3	2.7	2.3	2	0

In order to complete M. Tech. degree, students are required to maintain a minimum of 3.0 Cumulative Grade Point Average (CGPA).