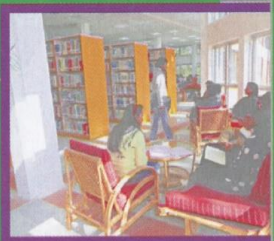


- Each semester GPA merit based full tuition fee waiver scholarships per 30 students intake capacity
- Need and merit based partial tuition fee waiver scholarships as per KU provision.
- Loan Scholarship



School of Science,
Kathmandu University
Dhulikhel, Kavre, Nepal

<http://ese.ku.edu.np>
 Phone: 977-011-415100,
 Email: ese_hod@ku.edu.np

B. Tech. in Environmental Engineering



2019



Department of Environmental Science
and Engineering

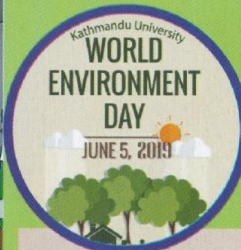
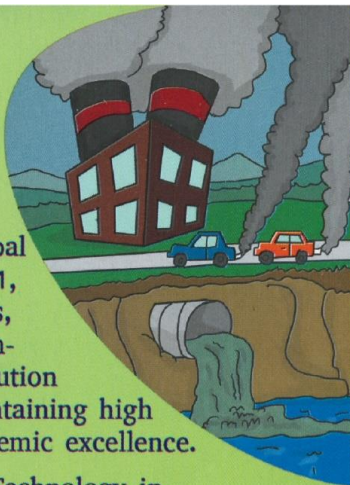
<http://ese.ku.edu.np>

Program

Kathmandu University (KU) was established by the act of parliament of Nepal in November 1991, as an autonomous, not-for-profit, non-government institution dedicated to maintaining high standards of academic excellence.

The Bachelor of Technology in Environmental Engineering program, the first such program in Nepal, was launched by KU in August 2005 and has already successfully produced more than 200 graduates, who are recognized and registered as Environmental Engineers by Nepal Engineering Council.

The sustainable development of any country needs to recognize the intimate and intricate relationship between the human activities and the environment. With the rise in haphazard development processes, we risk irrecoverable damage to our environment through urgent and pervasive problems like pollution and impact of the built environment on our ecosystem. Hence, this program aims to equip the students with a sound knowledge-base of technical and engineering principles to assess and eliminate the environmental pollution in the environmental media, viz., air, water and soil.



Career Opportunities

- Government and municipalities
- Environmental impact assessments
- Pollution control
- Non-governmental organizations associated with environmental protection
- Water supply and Wastewater treatment plants
- Sewage treatment plants
- Air pollution control
- Solid waste management
- Sustainable energy development
- Urban planning



Admission Eligibility

Minimum grade of C+ each in PCM (Physics, Chemistry and



Mathematics) and a minimum of grade C in remaining subjects.

OR, if the student has been evaluated in percentage system, minimum 50% in aggregate of PCM. See <http://apply.ku.edu.np> for further details.

Labs

- Environmental Research Lab
- Microbiology Lab
- Central Instrumentation Lab
- Mechanical Engineering Lab
- Wastewater Treatment Plant
- Automatic Stations
- GC-MS Lab
- Field Experiments
- Environmental Analysis Lab
- GIS and Computer Lab
- Supercomputer Lab



Major Courses

- Introduction to Environmental Engineering
- Chemical Process Calculation
- Fluid Mechanics
- Engineering Thermodynamics
- Engineering Geology
- Water Supply Engineering
- Air and Noise Pollution
- Control Engineering
- Applied Hydrology
- Energy Technology
- Water, Wastewater and Sanitary Engineering
- Environmental Engineering Design
- Solid Waste Management
- Environmental Impact Assessment
- Environmental Modeling
- Final Year Project
- Internship

