Civil Engineering Program
School of Engineering

Dhulikhel, Kavre, P.O. Box: 6250, Kathmandu, Nepal
Phone: 977-11-661399, Fax: 977-11-661443
www.ku.edu.np

For detail information
Contact: Prof. Dr.-Ing. Ramesh K. Maskey
Email: rmaskey@ku.edu.np info@ku.edu.np

Bachelor of Engineering in
Civil Engineering
(Specialization in Hydropower)
2009
Civil Engineering with Specialization in Hydropower:

Infrastructure development is the backbone of any nation for economic prosperity. It should be financially viable, socially acceptable and ecologically sustainable. Civil engineering encompasses the important branches of engineering science to develop and maintain sustainable infrastructures covering a wide-range of specialized fields that address all the above mentioned issues. Hydropower engineering is the specialized field of civil engineering that assimilates multi-disciplinary knowledge from all fields of science and technology. Nepal’s present aspiration is to build hydropower projects for her economic development. The vision to install 10 GW in ten years is far reaching ambition that must be addressed from all levels of the society. It is, thus, vital to increase in-house capacity to plan, design, implement, operate and maintain hydropower plants of all scale. Realizing this fact, it is imperative for educational institutions like Kathmandu University to be proactive in producing quality human resources that can directly be involved in such projects and can lead nation achieving this goal. The program will start from August 2009. Located at the beautiful hilly environment of Dhulikhel, the students will be benefited from not only the exceptional quality education but also from the wonderful natural and pollution-free learning ambient.

Objectives:

To produce competent and development oriented skilled engineers to address the need of hydropower industry
To enhance indigenous as well as global technology through research, development and education

Salient Features:

- Syllabus compatible with any reputed academic institutions
- Regular industry-based project works
- Field/Industry-based final semester
- On site Learning provisions
- Dedicated faculty members

Facilities:

- Fully equipped laboratories
- Computer lab with individual work station
- Wide range of literatures in digitally facilitated library
- Opening time 8:00 - 20:00 (Saturday: 12:00-18:00)
- Wi-fi enabled Internet access
- Hostel
- Sports

Career Opportunities:

- Hydropower Industries
- Governmental Organizations
- NGOs/INGOs
- Academia
- Consulting Firms
- Contractors
- Development Banking & Financial Institution
- Research Centers

Teaching and Evaluation System:

The concept of teaching and learning is strictly followed where the faculties facilitate students in their learning process. Apart from lectures and tutorials, students are given with assignments for independent learning and will be evaluated frequently so that they keep updated with the speed of teaching. Regular in-house project works in each

semester and final field-based intern cum project works in last semester are essential for them to enhance their professional competence. Frequent seminars, talk programs, presentations, lab experiments and site visits will be organized to broaden students’ confidence. Minimum two unit tests within a semester are a part of the evaluation scheme. Students have to fulfill 80% class attendance, which will be strictly monitored. Those who do not satisfy these requirements may not be allowed for final semester examinations.

Course duration:

The duration of the course is four years with eight semesters, each of six months duration. The odd and even semesters start from August and February respectively. The classes are held from Sunday to Friday from 9:00 a.m. to 4:00 p.m.

Eligibility for Admission and its Procedure:

Candidate should have 10+2 or equivalent degree from recognized academic institutions with minimum 50% marks in aggregate and with 50% in Physics, Chemistry and Mathematics. For details of admission procedure visit: www.ku.edu.np

Faculty:

Core faculties of School of Engineering, School of Science, visiting faculties from National and International Institutions will also be involved in the program as and when required.