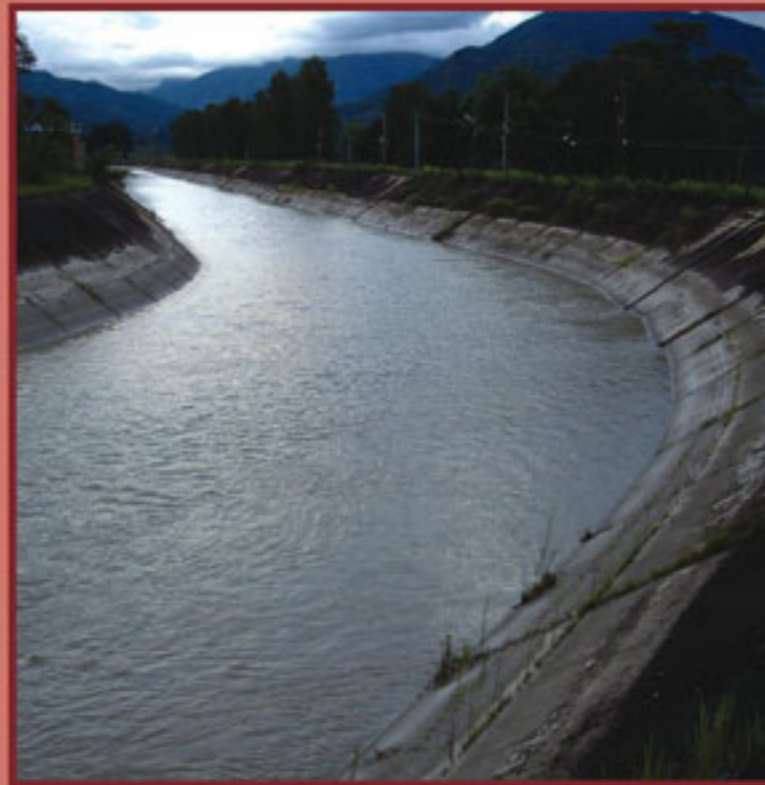


## Distribution of Credit Hours

Year	Level	Winter Semester	Summer Semester	Total Cr.
I	Funda.	I Sem. 20 CH	II Sem. 20 CH	40
II	Core	III Sem. 21 CH	IV Sem. 20 CH	41
III	Core/ Spec.	V Sem. 20CH	VI Sem. 20CH	40
IV	Spec.	VII Sem. 20CH	VII Sem. Field based 12CH	32
		81	72	153



Trishuli HEP Canal



**Kathmandu University**

"Quality Education for Leadership"



Kathmandu University, Balkumari Complex

## 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](http://www.ku.edu.np)

### For detail information

Contact: Prof. Dr.-Ing. Ramesh K. Maskey  
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Trishuli Hydropower Plant

**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](http://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.

