



Admission Procedure



Admission Requirement/Eligibility

Candidates should have passed intermediate in Science (Isc) or equivalent with minimum 50% marks in aggregate and with 50% each in Physics, Chemistry, and Mathematics. Candidates shall appear the entrance test conducted by Kathmandu University and qualify for admission in the entrance test.



Procedure

- Application for admission are invited by public notice in national newspapers.
- Application form together with information brochure for admission 2008 may be obtained from the Central Office, Dhulikhel, paying N.Rs.300.00 (non-refundable).
- Application form should be correctly filled in. It must contain all the necessary information and documents.
- The form should be submitted to KU with a non-refundable payment of Rs.400.00.
- A test of two-hour duration will be taken in KU, Dhulikhel, to assess applicant's proficiency in Physics, Chemistry, Biology and Mathematics to prepare a short-list.
- Short listed candidates will be interviewed to assess their aptitude.
- Applicants who get through test and interview are required to get admission in time as stated in the brochure.

Facilities



Human Resources/Faculties:

- ≡ More than 25 highly skilled and trained senior Instructors, Instructors and Asst. Instructors at LMTC
- ≡ More than 15 support staff at LMTC
- ≡ Faculties of School of Science will be teaching general science courses
- ≡ Faculties of School of Engineering will be teaching common engineering, management and other common courses



Laboratory at KU & LMTC

- ≡ Electrical, Electronic and Mechanical Laboratory
- ≡ Workshop and Drawing facility
- ≡ Computer laboratory
- ≡ Photogrammetry laboratory
- ≡ Reproduction laboratory
- ≡ Cartography laboratory
- ≡ Field survey equipments

- ☐ Audio visual facility for teaching
- ☐ Library at KU and LMTC
- ☐ 24 hours internet connectivity
- ☐ Sports Facilities at KU and LMTC
- ☐ Residential facility at LMTC

Course Fee

Course fee for 4 yrs. Bachelor programme:
N.Rs. 4,10,000/-

Subsidy: upto 75% of the total course fee

Pay less than 1,05,000 for 4 years & be an engineer!



School of Engineering
Kathmandu University

Dhulikhel, Kavre, P.O. Box: 6250, Kathmandu, Nepal
Phone: 977-11-661399, 663188, Fax: 977-11-661433
Email: dean_engg@ku.edu.np
URL: <http://www.ku.edu.np>

Land Management Training Centre

Dhulikhel, Kavre, Nepal
Phone: 977-11-66145, Fax: 977-11-662078
Email: lmto@lmtc.net.np

Bachelor of Engineering in Geomatics Engineering 2009

Joint Programme of



School of Engineering
Kathmandu University



Landing Management Training Centre, Dhulikhel

Future Prospects

Objectives

INTRODUCTION

About the Programme

Geomatics Engineering is fast growing discipline (that focuses on spatial information, i.e. information that has a location). The speed of development in the field is same as of Information Technology. Geomatics Engineers apply engineering principles to spatial information and implement relational data structures involving measurement sciences, thus using Geomatics as Spatial Information Engineers. Geomatics engineers manage local, regional and global spatial data for infrastructure development.

School of engineering, Kathmandu University and Land Management Training Center (LMTc), Dhulikhel is jointly offering new 4 year undergraduate program in Bachelor of Engineering (BE) in Geomatics Engineering.

This program is running under the Memorandum of Understanding between School of Engineering KU and Land Management Training Center (LMTc), Dhulikhel with the decision of Ministry of Land Reforms, Government of Nepal. Under this agreement Ministry of Land Reform will provide financial assistance to run the program.

★ Land Management Training Centre (LMTc), Dhulikhel

Land Management Training Centre (LMTc) was established as the Survey Department in 1968 in order to produce manpower in the field of surveying and mapping to fulfill the need of Survey Department. Till now it is the only governmental training and educational institution for Surveying and Mapping professionals in Nepal. Almost all personnel and professionals in the field of surveying and mapping working in Nepal are LMTc product. So, it is the native primary institute for personnel working in Nepal in Surveying, mapping, and land administration and management. LMTc has so far trained about 5,000 survey technicians at different levels. LMTc has contributed significantly on human resource development in our country.

Why Geomatics Engineering?

Geomatics engineering students study surveying techniques for land, cadastral, aerial, mining, and engineering survey. The geomatic engineers will be equipped with basic science and engineering knowledge and skills to have strong foundation in this engineering profession. The geomatic engineers will also study state of the art technology in informatics related to the profession such as computer technology, programming, digital mapping, land information system, geographic information system, remote sensing photogrammetry and so on. This engineering programme has strong component of field survey training equivalent to 4.5 month in 4 year program.

Future Prospects

Job Market

Government ministries and departments (Land Reforms, Water Resources, Roads, Works etc.)
Nepal Army, Nepal Police
Nepal Electricity Authority, Private hydropower companies
Private sector in Infrastructure development activities
Consulting companies
National and International NGO
International job market

Further Prospect

Further education in GIS, Remote Sensing, Geoinformatics, Specialized area of Civil Engineering (Surveying), Planning

International Trends

Several Universities in US, Europe are offering courses in Surveying, mapping and Geomatics Engineering

1

Production of qualified academic manpower in the field of Surveying and Mapping, Land Administration and Geoinformatics to satisfy the need of various institutions within the country.



2



Production of competent professionals in the field of Survey and Mapping, Land Administration and Geoinformatics sellable in the international market.

3



Conduction and promotion of research and development activities in the field of Surveying and Mapping, Land Administration and Geoinformatics.



4



Establishment of collaborative relationship with foreign institutions of the similar function for mutual benefit by student exchange, and by exchange and sharing of knowledge and technology for the benefit of mankind.