

CIVIL ENGINEERING

Civil Engineering program delivers a comprehensive hands-on and student-centered program that prepares graduates for immediate entry into a variety of professional careers and provides a solid undergraduate foundation enabling continued education at the graduate level.

The Civil Engineering program provides a well-balanced curriculum focused on fundamentals common to the many fields of civil engineering. Requirements range from basic mathematics and science courses to classes dealing with various aspects of the major including: transportation engineering, hydro power engineering, soil mechanics and foundations, structural analysis and design, water resources and hydraulics, and related areas such as surveying and mapping, construction engineering and management, and so on.



Look around you. You see buildings and roads; you drink clean water and breathe clean air. Civil engineers, together with other disciplines, make these aspects of everyday life possible !

Be a part of it ! As a civil engineer, find creative solutions to problems while working on a wide range of local, regional, and/or global projects. Apply cutting edge math, science, and technology to make a difference in the world. Find a civil engineering career path that best suits you.

After graduation you may develop your career in various fields such as:

- Hydropower
- Construction Management
- Consulting
- Manufacturing
- Disaster risk management
- Education
- Government offices etc.



COURSE STRUCTURE



I/I
 Engineering Mathematics I
 Computer Programming
 Engineering Drawing I
 Engineering Chemistry
 Fundamental of Thermodynamics & Heat Transfer
 Workshop Technology

I/II
 Engineering Mathematics II
 Engineering Drawing II
 Basic Electronics Engineering
 Basic Electrical Engineering
 Engineering Physics
 Applied Mechanics

II/I
 Mathematics III
 Applied Mechanics (Dynamics)
 Strength of Materials
 Engineering Geology I
 Fluid Mechanics
 Surveying I
 Civil Engineering Materials

II/II
 Theory of Structure I
 Hydraulics
 Surveying II
 Soil Mechanics
 Probability and Statistics
 Civil Engineering Drawing
 Engineering Geology II

III/I
 Numerical Methods
 Theory of Structure II
 Foundation Engineering
 Survey Camp

III/II

IV/I

IV/II

Water Supply Engineering
 Concrete Technology and Masonry Structure
 Engineering Hydrology

Communication English
 Building Technology
 Design of Steel & Timber Structure
 Engineering Economics
 Transportation Engineering I
 Sanitary Engineering
 Irrigation & Drainage Engineering

Project Engineering
 Design of Reinforced Concrete Structure
 Transportation Engineering II
 Hydro-power Engineering
 Estimating & Costing
 Elective I
 Project (Part I)

Computational Techniques in Civil Engineering
 Engineering Professional Practice
 Technology Environment & Society
 Construction Management
 Elective II
 Elective III
 Project (Part II)





message from the HOD

Infrastructural development incorporating technological advancement is the heart of socio-economic development of the nation. To witness such changes, education plays a vital role. Civil engineering is one of the oldest engineering streams that have changed the way we live in. In the world of rapidly changing technology, technical education should incorporate the recent achievement in technology to have competent engineers to sustain in global market. Department of Civil Engineering is committed to provide academic environment not only for the prescribed courses but also for recent technologies integrated education system with an opportunity to research and development. The pride of the department lies on highly committed management, dynamic Principal as well as academically sound, experienced and professionally active full time & visiting faculty members. Besides this, sincere and well-disciplined students and hard working supporting staff cannot be forgotten for its pride.

Our students' performances in IoE examinations speak about our educational excellence. Every semester some of our students are ranked at top positions in IoE examinations. My appreciation and sincere gratitude goes to all the students and faculty for this achievement. Last but not the least, we welcome the students to forge and develop their mind to compensate the future needs of the nation and global market. We are here to help in producing qualified civil engineer with a broad scope to cope with the growing need of human society and environment of this wonderful world.

Mr. Bhuwan Gimire
Head
Department of Civil Engineering

