

### 3rd Semester

Engineering Mathematics III  
Data Structure and Algorithm  
Electrical Engineering Materials  
Network Theory  
Electronic Devices & Circuits  
Logic Circuits

### 5th Semester

Numerical Methods  
Probability & Statistics  
Operating System  
Computer Graphics  
Computer Architecture  
Theory of Computation

### 7th Semester

Engineering Economics  
ICT: Project Management  
Artificial Intelligence  
Computer Network  
Image Processing & Pattern Recognition  
Elective II

### 4th Semester

Engineering Mathematics IV  
Instrumentation  
Programming Technology  
Database Management System  
Microprocessors  
Project - I

### 6th Semester

Simulation and Modeling  
Data Communication  
Embedded System  
Object Oriented Software Engineering  
Project - II  
Elective - I

### 8th Semester

Organization and Management  
Digital Signal Analysis & Processing  
Social and Professional Issues in IT  
Information Systems  
Final Project  
Elective III

### 5th Semester

Building Technology  
Engineering Hydrology  
Structural Analysis II  
Soil Mechanics  
Water Supply Engineering  
Surveying II  
Project II

### 7th Semester

Design of RCC Structures  
Transportation Engineering  
Hydropower Engineering  
Estimating and Valuation  
Engineering and Economics  
Elective I

### 6th Semester

Irrigation Engineering  
Design of Steel and Timber Structures  
Foundation Engineering  
Sanitary Engineering  
Concrete Technology & Masonry Structures  
Survey Field Project

### 8th Semester

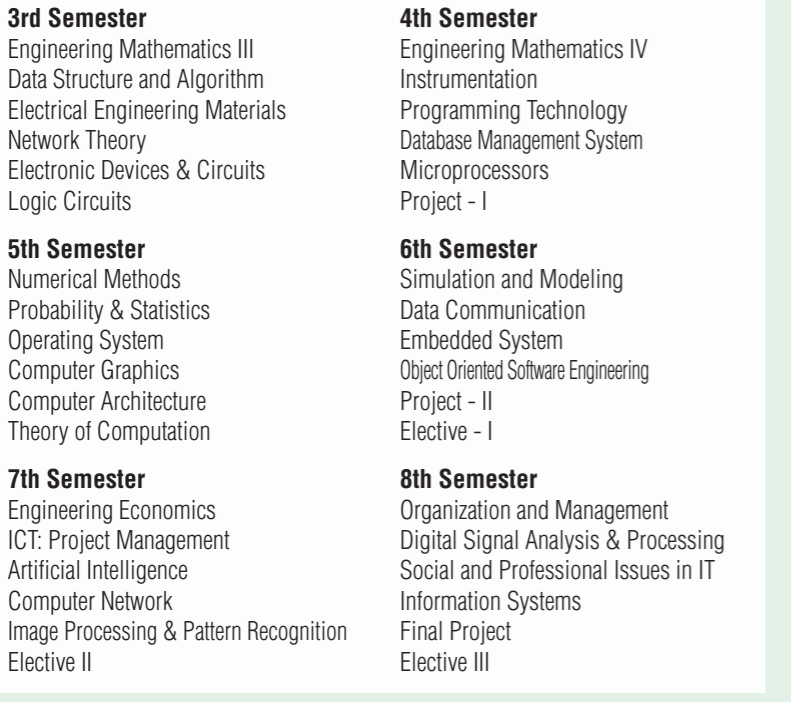
Construction Project Management  
Engineering Professional Practice  
Transportation Engineering II  
Elective II  
Project III (Major Project)

## Grading System of Pokhara University

Letter	Grade	Grade Point Description
A	4.0	Excellent
A-	3.7	
B+	3.3	
B	3.0	Good
B-	2.7	
C+	2.3	
C	2.0	Satisfactory
C-	1.7	
D+	1.3	
D	1.0	Work satisfying minimum requirement for credits
F	0	Failing

## Admission Eligibility

Students seeking admission in different bachelor level engineering programs must have passed Secondary Level (NEB 12) in Science program (Physical or Biogroup), or Diploma in Engineering or equivalent, from a recognized institution, securing at least second division or 45% in old system and minimum of Grade C in each of the subjects in new letter grading system.



## BE CIVIL

### 1st Semester

Engineering Mathematics I  
Physics  
Thermal Science  
Engineering Drawing  
Programming in C  
Basic Electrical Engineering

### 2nd Semester

Engineering Mathematics II  
Chemistry  
Object Oriented Programming in C++  
Communication Techniques  
Mechanical Workshop  
Applied Mechanics I

### 3rd Semester

Engineering Mathematics III  
Applied Mechanics II  
Civil Engineering Materials  
Fluid Mechanics  
Strength of Materials  
Engineering Geology  
Project I

### 4th Semester

Probability and Statistics  
Surveying I  
Basic Electronics Engineering  
Numerical Methods  
Hydraulics  
Structural Analysis I



## EVEREST ENGINEERING COLLEGE

(Affiliated to Pokhara University)

Lalitpur -2, Sanepa

01-5520742, 9851199795, 9841736823, 9844956611

admin@eemc.edu.np

www.eemc.edu.np



## EVEREST ENGINEERING COLLEGE

(Affiliated to Pokhara University)

Lalitpur-2, Sanepa, Tel: 01-5520742, 9851199795, 9841736823, 9844956611

Web: www.eemc.edu.np, Email: admin@eemc.edu.np

**Bachelor of Civil Engineering (B.E. Civil)**

**Bachelor of Computer Engineering (B.E. Computer)**

**Bachelor of Engineering in Information Technology (B.E. IT)**



www.eemc.edu.np

# ABOUT Us

Everest Engineering College (EEC) established in 2001 A.D, is one of the reputed and leading engineering colleges in Nepal under the affiliation of Pokhara University. The college is run by a group of enthusiastic young experienced academicians who are involved in administration, classroom teaching, research activities in different engineering fields and above all in the total management of the college. We have been providing quality education to the students and producing academically sound high skilled human resources for the society and for the nation with high human values and professional integrity. At EEC, we understand education as transfer of knowledge through research, innovation and availability of the working opportunities to the prospective engineers. Our team is dedicated to create excellent teaching-learning environment with extensive counseling, interactions and project works. Our graduates have proved themselves competent and competitive both in academic higher education and in professional career nationally and globally.

## VISION

- The college aims to be a national institution with state of art facility in engineering education through research fostering high values and integrity.

## MISSION

- ➔ To develop globally competent human resources through career focused quality technical education.
- ➔ To provide progressive and accessible education opportunities within the institution.
- ➔ To prepare our graduates socially responsible with patriotic feeling.
- ➔ To prepare skilled and trained human resources to give contribution in nation building for much awaited prosperity of the nation.

## GOALS

- ✓ To provide quality education on the basis of guidelines, norms and standards specified by Pokhara University.
- ✓ To establish itself as a center of academic excellence in learning making the students familiar with technological fields and various researches in engineering.
- ✓ To provide exposure to the students in the latest technological innovation.



## EEC Salient Features

We conduct our activities through following departments and wings

- ◆ **Academic Departments:**
  - Field visits
  - Project activities
- ◆ **Workshop and Seminar**
- ◆ **Robotics Club**
- ◆ **Research, Training and Placement Department:**

The unit conducts a wide range of activities:

  - Career counselling classes
  - Presentations from professionals
  - Professional CV writing sessions
  - Internships at different organizations
  - Job Interview from different organizations
  - Project Exhibitions
  - Inter-College Project Competitions
  - Coding competition
- ◆ **Counselling and Wellbeing Department**
- ◆ **Civil Club**
- ◆ **Computer & IT Club**

## Course Cycle

### BE-IT (INFORMATION AND TECHNOLOGY)

#### 1st Semester

Engineering Mathematics-I  
Physics  
Communication Technique  
Problem Solving Techniques  
Basic Electrical Engineering  
Programming in C

#### 2nd Semester

Engineering Mathematics-II  
Network Theory  
Mathematical Foundation for Computer Science  
Electronic Devices  
Engineering Drawing  
Object Oriented Programming in C++

#### 3rd Semester

Engineering Mathematics-III  
Logic Circuits  
Data Structure and Algorithms  
Probability & Queuing Theory  
Web Technology  
Electronic Circuit and Instrumentation

#### 4th Semester

Engineering Mathematics-IV  
Microprocessor & Assembly Language Programming  
Programming in JAVA  
Database Management Systems  
Software Engineering Fundamentals  
Project - I

#### 5th Semester

Applied Operating System  
Numerical Methods  
Computer Organization and Architecture  
Organization and Management  
Signal, System and Processing  
Principle of Communication

#### 6th Semester

Computer Graphics  
Computer Network  
Intelligent System  
Information System  
Object Oriented Design and Modeling through UML  
Project II

#### 7th Semester

Multimedia Systems  
ICT Project Management  
Business process and IT Strategy  
Computer Network and Internets  
Network Programming  
Telecommunications  
Elective I

#### 8th Semester

Mobile and Wireless Communication  
Engineering Economics  
Social and Professional Issues in IT  
Elective-II  
Project III



### BE- COMPUTER

#### 1st Semester

Engineering Mathematics I  
Chemistry  
Communication Technique  
Programming in C  
Basic Electrical Engineering  
Mechanical Workshop

#### 2nd Semester

Engineering Mathematics II  
Physics  
Engineering Drawing  
Object Oriented Programming in C++  
Thermal Science  
Applied Mechanics - I