



Everest Engineering College

*Transform Your Future with Advance Degree
Master Computer Engineering. Master the Future*

Master of Science in Computer Engineering (ME- Computer)



About Us

Everest Engineering College (EEC) is a leading institution dedicated to excellence in engineering education, research, and innovation. EEC is committed to shaping the next generation of engineers and technology leaders through a forward-thinking curriculum, dedicated faculty, and strong industry collaboration. At EEC, we believe in a student-centered approach that blends rigorous academics with real-world application. Our programs are designed to meet global standards while addressing local and regional needs, ensuring our graduates are both globally competent and locally relevant.

Program Overview

The Master of Science in Computer Engineering (ME Computer) is a rigorous and future-oriented graduate program designed to equip engineers and researchers with advanced knowledge and practical skills in cutting-edge technologies. This program integrates theoretical foundations, applied research, and real-world applications across both core and emerging areas of computer engineering.

At EEC, the program provides flexible elective options, allowing students to specialize in one of the following focus areas:

- Artificial Intelligence & Data Science
- Cybersecurity & Network Systems
- Software Systems & Emerging Technologies

Eligibility Criteria

Candidates with a BE in Computer, Software, IT, Electronics & Communication, Electrical & Electronics, or equivalent, with a minimum 2.0/4.0 CGPA or 45% (Second Division) from a Pokhara University-recognized institution are eligible to apply.

Curriculum Structure

Semester I

S. N	Course Code	Course Name	Credit
1	CMP 511	Advanced Computer Architecture	3
2	CMP 513	Data Structure and Algorithms	3
3	CMP 515	Operating System Design and Implementation	3
4	CMP 517	Research Techniques	3
5	CMP 519	Software Engineering	3
Total			15

Semester II

S. N	Course Code	Course Name	Credit
1	CMP 551	Artificial Intelligence	3
2	CMP 553	Database Engineering	3
3	CMP 555	Embedded System Design	3
4		Elective I	3
5		Elective II	3
Total			15

Semester III

S. N	Course Code	Course name	Credit
1	CMP 631	Cyber Security	3
2	CMP 633	Enterprise Cloud Computing	3

3	CMP 635	IT Governance and Ethics	3
4	CMP 637	Research Seminar	2
5	CMP 639	Software Project Management	1
6		Elective III	3
Total			15

Semester IV

S. N	Course Code	Course Name	Credit
1		Elective IV	3
2	CMP 691	Thesis	12
Total			15

Specializations:

Choose any one from three specialization tracks tailored to the future of computing:

1. Specialization Track 1: Artificial Intelligence & Data Science

Mandatory Elective for this Specialization (Choose Any 4)

1. Data Mining
2. Natural Language Processing
3. Deep Learning
4. High-performance Computing
5. Parallel and Distributed Computing
6. Big Data Analytics
7. Social Network Analysis
8. Speech and Language Processing

Career Paths: AI Engineer, Data Scientist, NLP Researcher, Research Analyst

2. Specialization Track 2: Cybersecurity & Network Systems

Mandatory Elective for this Specialization (Choose Any 4)

1. Digital Forensics
2. IP Switching and Routing for Enterprise Network
3. Network Architecture & Security
4. Python for Cybersecurity
5. Real Time Cyber Threat Detection and Management
6. Security Analysis and Risk Management

Career Paths: Cybersecurity Analyst, Network Architect, Security Auditor, SOC Analyst

3. Specialization Track 3: Software Systems & Emerging Technologies

Mandatory Elective for this Specialization (Choose Any 4)

1. DevOps
2. IoT
3. Edge Computing
4. Blockchain Technology
5. Digital Ecosystems
6. Software Testing and Quality Assurance

Career Paths: Software Architect, Cloud Engineer, IoT Developer, Blockchain Specialist

Program Vision: The vision of the Master of Computer Engineering (MCE) program at Everest Engineering College is to become a nationally and internationally recognized center of excellence in advanced computing education, research, and innovation.

Why Choose EEC?

- Flexible Learning Environment
- A tech-driven, student-friendly environment with all essential learning resources.
- Collaborative learning in small groups encourages deeper understanding and innovation.
- Learn from highly qualified, research-active faculty with global exposure.
- Practical exposure through real-world projects, and professional networks.
- Focus on Leadership and Research Excellence



How to contact EEC?

Address: Lalitpur-02, Sanepa, 500m from ring road.
Phone numbers: 01-5420742, 9847339026, 9847339027, 9847339028.
Email: admission@eemc.edu.np

Inquiry/Application Form:



Feel free to reach out to EEC through any of the provided phone numbers or via email for any inquiries or further assistance.