



# लुम्बिनी प्राविधिक विश्वविद्यालय

LUMBINI TECHNOLOGICAL UNIVERSITY

Estd. 2022

## Institute of Engineering and Information Technology

Nepalgunj-10, Banke, Lumbini Province



- B.Tech in Civil Engineering
- B.Tech in IT Engineering

### Intake: 48 students per program

- Scholarships for Disadvantaged Groups | Merit-based Fee Subsidy and Stipends
- Quota for Women, Disadvantaged Groups, Sponsored and Foreign Students
- Fee categories: Nominal, Full Fee, Sponsored, and Foreign Students

## About LTU

Lumbini Technological University (LTU) was established on July 2, 2022 (Ashar 18, 2079 BS) by the Act of Province Legislature with the goal of advancing higher education in the field of information technology, engineering, agricultural and forestry, and tourism, among others.

LTU is the first provincial-level university in Lumbini Province and is also one of the Pride Projects of the Province Government.

LTU particularly focuses on the application and development of technology and innovation because it understands the profound impact these fields have on society. As technology continues to evolve, traditional jobs are gradually being replaced by tech-oriented ones, creating a demand for skilled and adaptable professionals. By aligning its programs with the latest technological advancements, LTU ensures that its graduates are well-equipped to thrive in this dynamic landscape.

The university's mission is to provide comprehensive programs at undergraduate and graduate levels that produce graduates who have both disciplinary expertise and the ability to handle real-world problems by combining theoretical knowledge with practical application along with exposure visits to reputed technological institutions.

LTU recognizes that academic programs are not the only way to foster a rich learning experience. To this end, it also places a strong emphasis on research and continuous education programs by supporting and encouraging students and faculty to engage in rigorous research activities, thus fostering a culture of innovation and creativity that benefits both students and faculty alike.



“If we teach today as we taught yesterday, we rob our children of tomorrow.”

– John Dewey

## Course Structure of B. Tech in Civil Engineering

### Semester I

- Engineering Mathematics I
- Engineering Physics
- Engineering Chemistry
- Programming in C
- Engineering Drawing
- Technical English Communication

### Semester II

- Engineering Mathematics II
- Applied Statics
- Civil Engineering Materials
- OOP in Java
- Workshop Technology
- Basic Electrical and Electronics Engineering

### Semester III

- Engineering Mathematics III
- Applied Dynamics
- Building Technology and Drawing
- Strength of Materials
- Fluid Mechanics
- Geology

### Semester IV

- Numerical Methods
- Probability and Statistics
- Soil Mechanics
- Engineering Hydrology
- Hydraulics
- Engineering Geology
- Surveying

### Semester V

- Theory of Structures I
- Water Supply Engineering
- Transportation Engineering I
- Foundation Engineering
- Surveying II
- Survey Camp (10 days)

### Semester VI

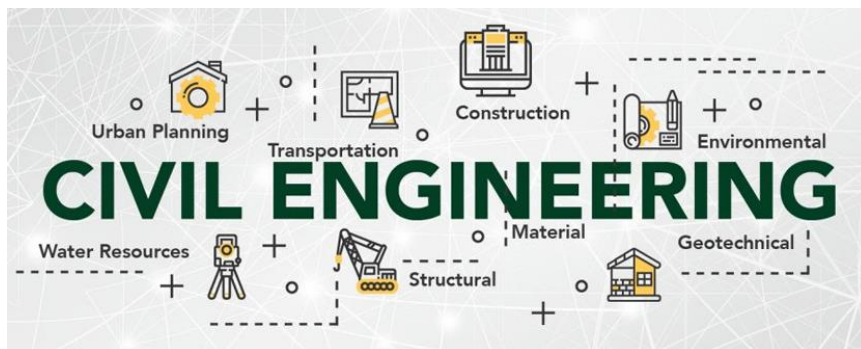
- Theory of Structures II
- Sanitary Engineering
- Transportation Engineering II
- Design of Steel and Timber Structures
- Irrigation and Drainage Engineering
- Masonry Structures
- Concrete Technology

### Semester VII

- Research Methodology
- Urban Planning
- Design of Reinforced Concrete Structures
- Hydropower Engineering
- Estimating, Costing and Valuation
- Elective I (Common)
- Elective II (Stream)

### Semester VIII

- Engineering Economics
- Construction Project Management
- Professional Practice and Ethics
- Elective III (Stream)
- Capstone Project (Internship-based)



## Course Structure of B. Tech in IT Engineering

### Semester I

- Engineering Mathematics I
- Technical English Communication
- Engineering Physics
- Programming in C
- Engineering Drawing
- IT Workshop
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### Semester II

- Engineering Mathematics II
- Basic Electrical and Electronic Engineering
- Digital Logic
- OOP in Java
- Database Management System
- Discrete Structure
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### Semester III

- Engineering Mathematics III
- Web Technology
- Microprocessor
- Numerical methods
- Data Structure and Algorithm
- Advance Java Programming
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### Semester IV

- Probability and Statistics
- Computer Organization and Architecture
- Python Programming
- Operating System
- Software Engineering Fundamentals
- Design and Analysis of Algorithm
- Project I

### Semester V

- Artificial Intelligence
- Research Methodology
- System Analysis and Design
- Computer Graphics and Multimedia
- Cryptography & Network Security
- Theory of Computation
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### Semester VI

- Data Communication & Computer Network
- Data Science
- Cloud Computing
- Digital Signal Processing
- Elective I
- Project II
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### Semester VII

- IT Project Management
- Simulation and Modeling
- Professional Ethics in IT
- Engineering Economics
- Elective II

### Semester VIII

- IT Entrepreneurship
- Cyber Security & Ethical Hacking
- Capstone Project (Internship based)



## Eligibility Criteria for Admission

- Candidates must have passed Class 12 or Engineering Diploma or equivalent with **at least 45% of total marks** in Physics, Chemistry and Mathematics or minimum C grade in each subject (Physics, Chemistry and Mathematics). In case of A- level: at least grade D or 45% in each subject.
- Candidates must pass **LTU Entrance Test** for enrollment.
- Candidates who have passed all subjects of Class 11 and are waiting for the results of Class 12 are also eligible for the entrance examination, however, they must provide Class 12 passing certificate/mark sheet during admission.

## Tentative Fee (NPR) (Academic Year 2024/25)

Program	75% Scholarship	50% Scholarship	25% Scholarship	Full Fee/ Sponsored by LG	Sponsored	Foreign
B.Tech. in Civil Engineering	145,700	289,900	434,100	578,300	695,900	767,100
B.Tech. in IT Engineering	139,300	277,100	414,900	552,700	666,300	734,300

Note: Deposit should be paid separately.

## Admission Open for 2024 Intake

Check LTU website or contact LTU office to get updates.

**Application Submission Date:** 2081/06/16 to 2081/07/21

**Late Application Submission Date:** 2081/07/22 to 2081/07/28

**Entrance Exam Date:** 2081/07/30 at 11:00 AM (LTU Central Office)

Note: Entrance Form should be submitted online: <https://entrance.ltu.edu.np/>

# Life @LTU

