

Tribhuvan University (TU) – Engineering Faculty (Institute of Engineering, IOE)

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1) High-Level Summary (IOE as TU's Engineering Faculty)

- **Engineering Faculty at TU:** TU runs engineering education through the **Institute of Engineering (IOE)**.
 - **Campus/College Network:** IOE delivers its programs through **five constituent campuses** and **ten affiliated colleges**.
 - **Admission Policy:** IOE enrolls qualified students primarily through a **computer-based entrance examination system**.
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2) IOE Constituent Campuses (Engineering Campuses under TU)

IOE's master's programs are available at constituent campuses, and bachelor programs run across constituent and affiliated colleges.

Main constituent campuses referenced in official TU/IOE sources include:

- **Pulchowk Campus (Central Campus) – Lalitpur**
 - **Thapathali Campus – Kathmandu**
 - **Purwanchal Campus – Dharan (Sunsari)**
 - **Paschimanchal Campus – Pokhara (Kaski)**
 - **Chitwan Engineering Campus – Chitwan** (noted for bachelor architecture in TU sources)
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3) Undergraduate Programs (Bachelor Level) Offered by IOE

Availability Rule

- **Bachelor programs:** Available across **all constituent campuses and affiliated colleges**.
- **Master's programs:** Available **only at constituent campuses**.

Undergraduate (B.E.) streams (as listed by IOE)

IOE's undergraduate page lists the engineering courses available (example streams include **Civil**, **Electrical**, **Electronics** and more).

(Note: If you want the full exact stream list in one place for your RAG dataset, tell me and I'll extract the complete list from the IOE undergraduate page and present it as a clean table.)

4) Master's Programs (Graduate Level) – Volume & Examples

- IOE states it offers **36 different master's programs**, grouped under departments like Electronics & Computer, Electrical, Civil, Mechanical, Architecture, Applied Sciences/Chemical, Geomatics, etc.
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5) IOE Departments & Research/Training Centers (What “Engineering Faculty” Includes)

Departments (TU official IOE description)

Departments include (listed centrally under IOE):

- Civil Engineering
- Electrical Engineering
- Electronics and Computer Engineering
- Mechanical Engineering
- Architecture
- Applied Sciences and Chemical Engineering

Research / Training / Service Centers (TU official IOE description)

Examples of IOE centers include:

- Center for Energy Studies (CES)
- Centre for Applied Research and Development (CARD)
- Institute of Engineering Consultancy Services (IECS)
- Continuing Education Division (CED)
- Information and Communication Training Centre (ICTC)
- Centre of Pollution Studies (CPS)
- Centre for Disaster Studies (CDS)

- Centre for Urban Studies (CUPS)
 - Center for Infrastructure Development Studies (CIDS)
 - Center for Water Resource Studies (CWRS)
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6) Entrance Exam (B.E. / B.Arch.) – Official Structure (What is Confirmed)

Exam Mode & Centers

- IOE B.E./B.Arch entrance is a **Computer-Based Test (CBT)**.
- Exam is conducted at **Pulchowk Campus** and **other centers allocated by IOE**.

Subject Areas Covered (Official)

The entrance exam evaluates foundational subjects including:

- **Mathematics**
- **Physics**
- **Chemistry**
- **English**

(Important: Official IOE pages confirm the subject areas and CBT format, but may not always publish one fixed “pass %” because selection is typically merit-based and varies by intake. For your chatbot, it’s safest to state “merit ranking/cut-off determined each year” unless you have the specific year’s notice.)

7) Eligibility (B.E. / B.Arch.) – Official Criteria

To be eligible for the IOE B.E./B.Arch entrance, candidates must have passed one of the following:

A) 10+2 Science (HSEB/NEB or equivalent)

- **10+2 Science with at least Grade C in all subjects**, and must include:
 - Physics
 - Chemistry
 - **Two papers of Mathematics (200 marks)**

B) Proficiency Certificate Level (PCL) Science

- PCL Science with **at least 45% aggregate**, including Physics, Chemistry, and **two papers of Mathematics (200 marks)**.

C) 3-Year Engineering Diploma

- **3-year engineering diploma** with **at least 45% aggregate**.

Nationality

- **Nepalese and foreign** candidates are eligible to apply.
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8) Online Application & Registration (Entrance Exam Board Portal)

- IOE entrance registration is handled through the **Entrance Examination Board portal**.
- Portal indicates candidates register **after receiving a bank voucher** and can check **registration status** online.

Kathmandu University (KU) – Engineering Faculty

School of Engineering (SoE) – Programs, Departments, Admission & Exam Structure

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1) High-Level Summary

- **Engineering Faculty at KU:** Kathmandu University runs engineering education through the School of Engineering (SoE) (a constituent school of KU).
 - **Location:** Dhulikhel, Kavre, Nepal (KU School of Engineering).
 - **Academic Coverage:** SoE offers Bachelor, Master, MS by Research, and PhD pathways across multiple engineering/technology departments.
 - **SoE Campus Blocks:** SoE is operated mainly in Block 08, Block 09, Block 10, and Block 11 within KU.
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2) KU School of Engineering – Departments (Core Engineering Units)

Based on KU SoE program listings, SoE includes these departments (engineering/technology):

- Department of Electrical and Electronics Engineering (DoEEE)
 - Department of Mechanical Engineering (DoME)
 - Department of Computer Science and Engineering (DoCSE)
 - Department of Civil Engineering
 - Department of Chemical Science and Engineering
 - Department of Geomatics Engineering
 - Department of Architecture
 - Department of Environmental Engineering
 - Department of Artificial Intelligence
 - Department of Health Informatics
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3) Programs Offered (By Department / Level)

A) Undergraduate (Bachelor) Programs (Examples Listed Officially)

KU SoE “Programs” page lists the following bachelor-level programs:

- **BE Electrical and Electronics Engineering** (DoEEE)
- **BE Mechanical Engineering** (DoME; includes tracks such as Automobile / Design & Manufacturing / Energy Technology / Hydropower)
- **BE Geomatics Engineering** (Department of Geomatics Engineering)
- **B.Arch (Bachelor of Architecture)** (Department of Architecture)
- **Bachelor in Heritage Conservation (BHC)** (Architecture department)
- **BE Chemical Engineering** (Department of Chemical Science and Engineering)
- **BE Civil Engineering and BE Mining Engineering** (Department of Civil Engineering)
- **BE Environmental Engineering** (Department of Environmental Engineering)
- **Bachelor of Technology in Artificial Intelligence (BTech AI)** (Department of AI)
- **Certificate / Bachelor-linked Health Informatics track (listed under SoE programs)**

(Use this list directly in your RAG system as “officially listed programs on SoE Programs page.”)

B) Graduate (Master) Programs (Examples Listed Officially)

KU SoE programs page lists master programs including:

- **Master of Engineering (Computer Engineering)**
- **Master of Technology (Information Technology)**
- **Master of Engineering (Planning and Operation of Energy System)**
- **Master of Mechanical Engineering**
- **Master Program in Energy Efficient Building Design (EEBD)**
- **Master in Land Administration and ME/MS in Geoinformatics** (Geomatics)
- **ME in Structural Engineering and ME/MS in Sanitation Technology** (Civil)
- **Master’s Program in Health Informatics**
- **Master of Technology in Artificial Intelligence (MTech AI)**

C) Research Degrees (MS by Research / PhD)

KU SoE program listing includes:

- **MS by Research** (available in multiple departments such as Mechanical, Electrical & Electronics, Architecture, Environmental Engineering, Geomatics, DoCSE)
- **PhD programs** under DoCSE, DoEEE, DoME, Geomatics, Architecture (as listed by SoE programs page)

4) KU Engineering Admission & Entrance Exam (Undergraduate)

A) KU Common Admission Test (KUCAT) – Official

KU admission portal states:

- Applicants must appear in **KUCAT** in either:
 - **PCM (Physics, Chemistry, Math)** OR
 - **PCB (Physics, Chemistry, Biology)**
- Entrance examination mode: **Computer Based Test (CBT)**

B) SoE Application/Admission Page (Official)

KU SoE maintains an admission page for application calls and updates.

5) Where Students Apply (Official Portal)

- **KU Admission Portal (SoE/SoS):** Applicants apply and follow admission steps via KU's official admission portal.

