



**ULAB**  
UNIVERSITY OF LIBERAL ARTS  
BANGLADESH

# COMPUTER SCIENCE AND ENGINEERING

Admission Pack



## Why Choose ULAB?

At ULAB, you will find more than just a university—you will discover a community that inspires you to dream big, think differently, and create change.

We're one of Bangladesh's leading private universities, known for our **liberal arts approach** and strong commitment to **sustainability**. With **5,500+ students** and a rapidly growing **global alumni network**, ULAB is a place where ideas turn into action.

We're proud to be recognized worldwide:

- Ranked **8th in Bangladesh (2025)** in the *Times Higher Education Impact Rankings* for our impact on **Quality Education, Gender Equality, and Sustainable Cities**.
- Certified with **ISO 9001:2015 QMS** for top-quality management systems.
- The **only Bangladeshi university in the WURI Top 60**, earning a spot at **54th in the Global Top 400 Innovative Universities**.
- ULAB has been ranked **801–850 in the QS World University Rankings: Asia 2025**.

All of this happens on our **green campus**—a lively, welcoming space where learning feels natural, open, and fun.

## 1. Why Choose CSE at ULAB School of Science and Engineering?

The Computer Science and Engineering (CSE) program at ULAB helps you to become a skilled problem-solver, creative thinker, and future technology leader.

**Here's why you should choose CSE at ULAB:**

- **OBE-Based Curriculum:** The Outcome-based Curriculum integrates industry-aligned courses in Artificial Intelligence, Data Science, Cybersecurity, and Robotics.
- **Practical Learning:** Hands-on projects, coding challenges, and research experience.
- **Expert Faculty:** Experienced faculty members with degrees from renowned international universities will guide you at every step.
- **Student Advising:** Each student will be assigned a dedicated faculty advisor for personalized academic guidance.
- **Advanced Labs:** Equipped for programming, networking, AI, and robotics.
- **Industry Connections:** Internships and job opportunities with tech partners.
- **Research & Innovation:** Participate in clubs, hackathons, and competitions.
- **Supportive Environment:** Small classes with personalized attention and teamwork.



## 2. Career and Job Prospects

Technology is shaping every part of modern life and CSE graduates are the minds behind that change. As a ULAB CSE graduate, you'll be ready to work in leading tech companies, research labs, startups, or even launch your own business. The possibilities are endless.

### Career paths include:

- **Software Engineer / Developer:** Build apps, games, and software.
- **AI Engineer / Data Scientist:** Create intelligent, predictive systems.
- **Cybersecurity Specialist:** Safeguard digital systems.
- **Cloud / Network Engineer:** Manage global online systems.
- **Game / Mobile App Developer:** Design games and apps.
- **Researcher / Teacher:** Explore ideas and teach.
- **Entrepreneur / Founder:** Turn ideas into solutions.

### Employability Strengths (Why ULAB Graduates Get Jobs):

- Industry-focused curriculum aligned with modern technologies.
- Hands-on projects that build real problem-solving skills.
- Internship opportunities with leading tech companies.
- Career training on communication, teamwork, and leadership.
- Portfolio-based learning to showcase your work to employers.



### Higher Studies and Global Opportunities:

- Opportunity to pursue MS or PhD in top global universities.
- Global career opportunities in the USA, Canada, Germany, Japan, and many other countries
- Research and student exchange programs through ULAB's international partnerships.

### Our alumni leading the way:

- **Farhana Haque Sumi**, IT Project Manager, Japan
- **Amrita Ganguly**, PhD Student, George Mason University, USA
- **Abrar Hasin Kamal**, Analytics Engineer, LOTTO24 AG, Hamburg, Germany



### 3. Program Information at a Glance

The program offers a Bachelor of Science in Computer Science and Engineering (B.Sc. in CSE) with a duration of 4 years (12 trimesters), totaling 140 credits, and includes core CSE courses, specialized electives, general education courses, and a final-year Capstone Project

#### Course Distribution:

Course Category	Credits	Remarks
General Education Courses (GED)	24	5 Core + 3 Elective
Major Core Courses	67	Includes 4 credit Capstone Project, 1 credit Internship
Major Elective Courses	13	4 Theory + 1 Lab
Other Engineering	8	2 Theory+ 2 Lab from EEE
Optional/Minor*	9	3 Theory
Basic Science	7	2 Theory + 1 Lab
Mathematics	12	4 Theory
<b>Total</b>	<b>140</b>	

#### Cost of the Program:

Credit Hours	Per Credit Fee	Total Cost
140	5,000 Taka	<b>7,71,500 Taka</b> (Including all other costs)



## 4. Department Facilities

- **Modern Labs:** The department has advanced labs for AI, Machine Learning, Robotics, and other technologies.
- **Research Support:** Students can use modern tools and software to do research with teachers or on their own.
- **Innovation & Projects:** The department arranges innovation programs like projects, hackathons, and tech exhibitions to showcase student excellence.
- **Career & Industry Links:** Students get internship and training opportunities with top tech companies.
- **Mentorship & Guidance:** Experienced teachers guide students in their studies, research, and career plans.
- **IT & Computing Facilities:** The department provides fast internet, modern computers, and the latest software.

## 5. Faculty Strength

- Many faculty hold **PhDs** and degrees from **top international universities**.
- Active in research in **AI, ML, IoT, Data Science, Cybersecurity, and Software Engineering**.
- Combine **academic expertise with industry experience** for practical learning.
- Follow **Outcome-Based Education (OBE)** with regular training and workshops.
- Provide strong **mentorship** in academics, research, and careers.

## 6. Core Competencies

The CSE Department at ULAB teaches students important core skills in modern technology, practical problem-solving, and professional work. Some of these skills are:

- Programming & Software Development
- Artificial Intelligence & Data Science
- Cybersecurity & Networking
- Problem-Solving & Innovation
- Research & Analytical Skills
- Teamwork & Communication



## 7. Major Milestones of the Program:

- **Foundational Milestones (First Year):**

- i. Build core programming skills in languages like C, C++, or Python.
- ii. Learn Discrete Mathematics and Logic for problem-solving and reasoning.
- iii. Understand computer systems and architecture including low-level programming.

- **Intermediate Milestones (Middle Years):**

- i. Gain proficiency in Data Structures and Algorithms.
- ii. Master Object-Oriented Programming (OOP) concepts.
- iii. Study Operating Systems, Networks, and Databases.
- iv. Complete first major projects.

- **Advanced & Capstone Milestones (Final Years):**

- i. Take specialized electives in AI, Cybersecurity, Data Science, or Software Engineering.
- ii. Complete an industry internship.
- iii. Undertake a Capstone Project demonstrating design and development skills.

- **Professional Development:**

- i. Earn industry certifications or skill badges.
- ii. Participate in research publications or presentations.

## 8. Global Connections and Opportunities:

The CSE Department encourages global exposure and collaboration through:

- International and national research partnerships and joint publications
- Student participation in international conferences and competitions
- Alumni pursuing higher studies in reputed universities worldwide
- Integration of global trends such as AI, Big Data, and IoT into the curriculum
- Opportunities for cross-disciplinary learning and online international exchange programs



## Scholarship & Financial Aid

- Up to 100% Waiver for strong results, siblings, employees' wards, science, or female students upon meeting the requirements.
- Prestigious Named Scholarships with full tuition and stipend for the study duration.
- VC and Dean Honor Lists with full tuition waivers.
- Support for Talent & Need for artists, athletes, freedom fighters' children, remote areas, and hardship aid.



## Student Life at ULAB

- **Green Campus – Learn where it's fresh!**  
A spacious, leafy campus in Mohammadpur that gives you room to think, breathe, and thrive.
- **Modern Classrooms – Cool, connected, and collaborative!**  
Fully air-conditioned, Wi-Fi enabled, and designed for interactive learning.
- **IoT & Computer Labs – Tech that takes you further!**  
One of the first private universities in Bangladesh with its very own IoT Lab.
- **Library Resources – Fuel your curiosity!**  
Over 100,000 print and digital resources, global journals, daily news, and cozy study spaces to keep your brain buzzing.
- **Clubs & Events – Find your vibe, join your tribe!**  
From sustainability to adventure, literature to business—there's always something happening, and a club just for you.
- **Cafeteria & Lounges – Where friends and ideas meet!**  
Grab a bite, brainstorm with your team, or just relax between classes.
- **Shuttle Service – Easy rides, happy vibes!**  
Safe and affordable transport connecting campus to Dhanmondi, Mirpur 12, and beyond.

At ULAB, your student life is more than just classes—it's a mix of learning, fun, and friendships that last a lifetime.

# Guideline for Online Application



**Application Link:**  
<https://oam.ulab.edu.bd/>

<b>Step 1</b>	Choose your desired program and click <b>"Apply"</b> .
<b>Step 2</b>	Click on the tab <b>"Proceed to Apply"</b> .
<b>Step 3</b>	Fill out the <b>"ULAB Admission Sign-up Form"</b> by providing the required information & click <b>"Create Account"</b> .
<b>Step 4</b>	Check the email account used during sign-up (Inbox or Spam) for the account activation message.
<b>Step 5</b>	Follow the instructions in the email to activate your account.
<b>Step 6</b>	Log in with your registered email and complete the application form with accurate information.
<b>Step 7</b>	After filling out the form, review it by clicking <b>"Preview"</b> , then click <b>"Submit"</b> .
<b>Step 8</b>	Confirm your payment through <b>bKash</b> .
<b>Step 9</b>	Download your <b>Admit Card</b> .

## Undergraduate Admission Requirements:

- A Minimum GPA 2.50 in both SSC and HSC examinations or equivalent, or at least one GPA of 2.00 but an aggregate GPA of 6.00 in SSC and HSC, or
- O'Levels in 5 subjects with a minimum GPA of 2.50 & A'Level in 2 Subjects with a minimum GPA of 2.00 (scale A=5, B=4, C=3, D=2, E=1), or
- Sons/daughters of freedom fighters with an aggregate GPA of 5.00 in SSC & HSC, or
- International Baccalaureate (IB)/American High School Diploma.
- Students with science background in HSC or equivalent Examinations are allowed to get admission in science, technology and engineering programs.

### Note:

- Acceptable score in the ULAB Admission Test.
- Admission test is waived for candidates with minimum score of 1100 in SAT (Math + Critical Reading)
- Admission will be revoked at any time if any certificate or educational information submitted during the admission process is found to be false or incomplete.

## Admission Test Q&A Sample

Kindly visit the following links to review the sample Q&A.

**Undergraduate:** <https://admissions.ulab.edu.bd/undergraduate-programs/undergraduate-sample-question>

## Want to talk to our admission team?

**Book an online counseling session:** <https://shorturl.at/zBpdt>

**Call:** 01730082197 | 01713091936 | 01714161613

**Email:** [admissions@ulab.edu.bd](mailto:admissions@ulab.edu.bd)

## Important Links:

**For tuition and fees:** <https://admissions.ulab.edu.bd/tuition-fees/>

**For scholarships:** <https://admissions.ulab.edu.bd/scholarships-aid/>

**For Admission Merit Scholarship:** <https://admissions.ulab.edu.bd/undergraduate-programs/ulab-admission-merit-scholarship-policy>

**For program information, please visit:** <https://cse.ulab.edu.bd/>