



## PHD ADMISSION CRITERIA FOR FOREIGN NATIONALS

### ADMISSION CRITERIA

**Admission is purely merit-based and rests on the following criteria:**

#### MS & PHD PROGRAMMES

- Academic Record
- Performance in Admission Test
- Application Review
- Submission of complete online application, application processing fee and supporting documents by the stipulated deadline
- Interview Performance (if needed/shortlisted)
- Letters of Recommendation
- Research Statement and Research Presentation (only for PhD applicants)

**Note:** This is the minimum criteria that applicants need to fulfil in order to be eligible to apply. Fulfilment of this criteria does not guarantee admission to LUMS.

Scan for more information  
on MS Computer Science



**The following criteria applies to all foreign applicants:**

- Academic Record
- Research Background
- Online Test and Interview (if shortlisted)
- Letters of Recommendation
- Application Review
- Submission of complete online application and supporting documents by the stipulated deadline

To study at LUMS, foreign nationals must follow requirements such as obtaining a visa and a no-objection certificate from Pakistani authorities. LUMS will assist in this process. Additionally, foreign nationals from developing countries can also apply through The World Academy of Sciences and UNESCO portal (<https://rb.gy/j83y7v>).

Scan for more information  
on PhD Computer Science



**MUHAMMAD ABDULLAH**  
MS COMPUTER SCIENCE '19

“I joined the MS Computer Science programme without a Bachelor's degree in the same field. However, the entire programme is so well-designed that I was able to transition seamlessly. I had some of the most inspiring and supportive professors as my research advisors who made my academic journey thoroughly satisfying and enjoyable.”

### FINANCIAL SUPPORT

- Merit scholarships
- LUMS interest-free loan that covers partial to full tuition fee expense (only for local applicants)
- External scholarships (support and eligibility for these scholarships vary depending on the donor)
- Options to work as Research or Teaching Assistants (subject to availability)
- Full funding of the PhD, which covers tuition, registration, admission fee and a monthly stipend for 4 years



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#LearningWithoutBorders



Learning *Without* Borders

# MS & PHD COMPUTER SCIENCE

Syed Babar Ali School of Science and Engineering





وہی جہاں ہے تیرا جس کو تو کرے پیدا

علامہ اقبال

## WHY MS AND PHD COMPUTER SCIENCE AT LUMS?

# SYED BABAR ALI

## SCHOOL OF SCIENCE AND ENGINEERING

Founded in 1985 as a not-for-profit, LUMS has pioneered innovative educational trends. The expanse of research and teaching at LUMS offers its community 'Learning without Borders' by breaking academic, geographic, and socio-economic barriers to enhance students' academic exposure and make education accessible to all.

Syed Babar Ali School of Science and Engineering (SBASSE) at LUMS is making significant strides in the experimentation of teaching and learning, and making impactful contributions to science and technology. The MS programmes at SBASSE are rigorous and designed to impart specialised professional and research-oriented training to students. All SBASSE departments offer two options to choose from: MS-by-Coursework or MS-by-Thesis. The School's PhD programmes prepare students to think scientifically and conduct high-quality research independently. Major milestones that must be achieved for the successful completion of the PhD degree include the Coursework, Comprehensive (Qualifying) Examination, Thesis Proposal Defense, at least one peer-reviewed journal article and PhD Thesis Defense.

### LUMS AND SBASSE FOSTER A DYNAMIC LEARNING ENVIRONMENT

#### QS WORLD UNIVERSITY RANKINGS BY SUBJECT

#301-350 Computer Science and Information Systems	#351-400 Engineering – Electrical and Electronics
#401-450 Engineering and Technology	#501-550 Physics and Astronomy

The Department of Computer Science comprises faculty members with PhDs from Berkeley, Carnegie Mellon, and Stanford, who will help you stay on top of the growing trends in information and technology. It will equip you with first-hand experience of the quality work being done in the areas of Computer Vision, Data Mining, Networks, Information Security, Privacy and Distributed Systems, Software Engineering, Human-Computer Interaction, Big Data, Artificial Intelligence, and Robotics.

As an integral element of a graduate education, the Department of Computer Science provides unmatched research possibilities, opportunities, and resources. The Department not only encourages students to get involved in rigorous research alongside coursework but also provides fully equipped clusters, groups, and labs, including the Computer Vision Lab, the Robotics and Intelligent Computing Lab, the Knowledge and Data Engineering Lab, and more.

## PROMINENT PLACEMENTS

Our graduates ascend to prominent roles—pursuing academics at world-renowned institutions, securing fully funded PhD positions, or driving innovation at leading organisations in the industry.



## PROGRAMME STRUCTURE

Graduate students are exposed to advanced courses:

### CORE COURSES\*

#### DEPTH CORE

**COMPUTER SCIENCE**  
Design and Analysis of Algorithms

**MATHEMATICS**  
Applied Statistics or Applied Probability

\*All students must complete 15 credit hours of core courses

#### BREADTH CORE

**DATA SCIENCE AND MACHINE LEARNING**

**SYSTEMS**

**SOFTWARE ENGINEERING**

### ELECTIVE COURSES

In addition to the 15 credit hours of core courses, students opting for MS-by-Coursework must take 15 credit hours of electives. For those pursuing MS-by-Thesis, the requirement includes 6 credit hours of MS Thesis and 9 credit hours of electives to complete the MS degree.

