



ADMISSION CRITERIA

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

- Academic record
- GRE or LUMS Graduate Admission Test performance*
- Interview performance (if called)

* For admission test details, visit <https://admission.lums.edu.pk/graduate-programmes>

FINANCIAL SUPPORT

- Loan Options
- Merit Scholarships
- External Scholarships (if available)
- Teaching Assistantships (if available)
- 100% Scholarship for PhD Students
- Generous Tuition Fee Waiver for all MS Mathematics Students

* For details, visit <https://financial-aid.lums.edu.pk>

MATHEMATICS

MS AND PhD PROGRAMMES

Lahore University of Management Sciences (LUMS)

Opposite Sector U, DHA, Lahore 54792, Pakistan

- ☎ +92 42 111- 11- LUMS (5867) Ext. 2177 - 78
- 📠 +92 42 35896559
- ✉ admissions@lums.edu.pk
- 🌐 www.lums.edu.pk



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LUMS

SYED BABAR ALI SCHOOL OF SCIENCE AND ENGINEERING (SBASSE)

WHY MATHEMATICS?

Mathematics is the study of structure and relationship. It is the most basic of all sciences and also the one with the widest application. Some study Mathematics because it reveals the beauty of symmetric tiling and patterns; others explore it because the code for the universe is written in Mathematics.

The MS degree programme in Mathematics is designed to prepare students for professional careers in various Mathematical Sciences, such as Symmetry, Differential Equations, Numerical Computation, Mathematical Biology, Mathematical Finance etc. The programme is a rigorous introduction to graduate level Mathematics for students interested in strengthening their Mathematical background prior to entering doctoral studies.

DID YOU KNOW?



Mathematics Department is ranked Number 1 in Pakistan by the QS World University Rankings 2016 by Subject



The High Performance Cluster Computing Centre provides computing facilities to faculty and students with specialised computational needs

PROGRAMMES OFFERED MS | PhD

RESEARCH OPPORTUNITIES

The department offers research opportunities in core areas of applied and pure Mathematics:

- Numerical Analysis Optimisation
- Stochastic Optimal Control
- Probability Theory and Stochastic Analysis
- Mathematical Biology
- Mathematical Finance
- Scientific Computation
- Differential Equations/Evolution Equations
- Algebraic Geometry
- Algebraic Topology and Combinatorial Commutative Algebra
- Fixed Point Theory
- Functional Analysis and Operator Theory
- Operator Theory
- Spectral Theory and Symmetry Methods of Differential Equations

CAREER OPPORTUNITIES

- Our Mathematics graduates are accepted for higher studies in Mathematics and related disciplines at leading institutions such as University of Oxford, University of Cambridge, Harvard University, University of Waterloo, and the London School of Economics
- Our Graduates are employed at top positions in industry and financial and consulting firms

FACILITIES

The High Performance Computing Centre engenders and facilitates science and engineering research efforts and provides research and development exposure to students.

The Centre for Advanced Studies in Mathematics promotes the role of Mathematics in formulating and solving interdisciplinary problems by organising conferences, workshops and seminars and strengthening international collaborations with the Mathematics community.



"As a PhD student at LUMS, you get excellent support and advice from your supervisors. SBASSE has fantastic resources, offering access to everything you need for your PhD. The School also has very good industrial connections and international links. I was able to participate in an international exchange programme, the Erasmus Mundus Action 2 Programme. I would highly recommend the Mathematics PhD to prospective students."

Asgher Ali
PhD Scholar 2015