



## 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 Chemistry



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 Chemistry



### SANIYA IFTIKHAR PHD CHEMISTRY '22

“The Department of Chemistry and Chemical Engineering at LUMS, has been instrumental in my academic career. My journey at LUMS was a transformative experience that reshaped my academic direction. Beyond imparting knowledge, it instilled within me a mindset of continuous learning. I experienced exceptional mentorship that inspired me to strive for excellence. As I venture into my professional career beyond LUMS, I carry these valuable lessons and knowledge with me, and I am prepared to apply them to all aspects of my life.”

### FINANCIAL SUPPORT

- Merit scholarships
- Partial tuition fee waivers for students pursuing MS in basic sciences
- 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



DHA, LAHORE CANTT. 54792, LAHORE, PAKISTAN  
 © +92-42 111-11-LUMS (5867) Ext: 2177  
 admissions@lums.edu.pk  
 www.lums.edu.pk



#LearningWithoutBorders

# MS & PHD CHEMISTRY

Syed Babar Ali School of Science and Engineering



وہی جہاں ہے تیرا جس کو تو کرے پیدا

علامہ اقبال

## WHY MS AND PHD CHEMISTRY 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

The Department of Chemistry and Chemical Engineering aspires to establish itself as an internationally recognised centre for graduate teaching and research in a wide variety of disciplines that include Nanoscience and Nanotechnology, Materials Chemistry, Catalysis, Drug Discovery/Medicinal Chemistry and Environment. The Department comprises a diverse group of research-active faculty members that work on interdisciplinary research projects interfacing Chemistry with other Science and Engineering disciplines.

Students benefit from the excellent research facilities at the Department. The teaching and research labs are well equipped with state-of-the-art experimental facilities, supplies and equipment, including spectroscopic, structural, and materials characterisation tools.

## 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.



## RESEARCH PROJECTS

The Department of Chemistry and Chemical Engineering comprises a diverse group of faculty members. Some of their research projects include:

#### BIOORGANIC AND MEDICINAL CHEMISTRY

Dr. Muhammad Saeed

#### CATALYSIS AND GREEN CHEMISTRY

Dr. Ghayoor Abbas

#### CATALYST DESIGN

Dr. Muhammad Zaheer

#### DRUG DISCOVERY AND CANCER RESEARCH

Dr. Rahman Shah Zaib Saleem

#### ENERGY MATERIALS

Dr. Ali Rauf

#### ENERGY SYSTEM SIMULATIONS

Dr. Muhammad Shoaib

#### FUNCTIONAL NANOMATERIALS

Dr. Irshad Hussain

#### SUSTAINABLE ENVIRONMENTAL SOLUTIONS

Dr. Qasim Imtiaz

#### WATER TREATMENT

Dr. Tauqeer Abbas

#### PROCESS SYSTEM ENGINEERING

Dr. Rofice Dickson

#### HETEROGENEOUS CATALYSIS

Dr. Qandeel Almas

#### INDOOR AIR QUALITY MONITORING

Dr. Shahana Khurshid

#### MEMBRANE SCIENCE AND ENGINEERING

Dr. Faheem Hassan Akhter

#### MULTIFUNCTIONAL NANOCOMPOSITES

Dr. Salman Nosheer Arshad

#### POLYMERS AND NANOCOMPOSITES

Dr. Habib-Ur-Rehman

#### SOFT MATTER AND INTERFACES

Dr. Basit Yameen

#### SOLID STATE CHEMISTRY

Dr. Falak Sher

