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)  
• Generous Tuition Fee Waiver for all MS Basic Sciences Students

• 100% Scholarship for PhD Students  
• Generous Tuition Fee Waiver for all MS Basic Sciences Students

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

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

#MERITMATTERS
**WHY PHYSICS?**

Physics focuses on probing fundamental physical aspects of the Universe and underlying Mathematics, as well as novel applications in diverse areas including Nanoscience, Optics, Nanophotonics, Quantum Dynamics and Magnetic Materials. All of these are in the realm of the SBASSE Physics programme.

**DID YOU KNOW?**

- Graduates of Physics are readily accepted in programmes at the world’s top institutes such as Massachusetts Institute of Technology, Harvard University and University of Oxford.
- Graduates are employed by industry and academia in Pakistan and abroad.

**PROGRAMMES OFFERED**

- **MS**
- **PhD**

**RESEARCH OPPORTUNITIES**

The Department encourages students to pursue independent research supervised by faculty members engaged in basic as well as Applied Physics. Research is conducted in the following areas:

- Spin and Photon Physics
- Quantum Dynamics
- Plasmonics and Nan engineered Materials
- Fundamental Theory
- Photonics and Nanophotonics
- Cosmology

**FACILITIES**

Laboratories in Solid State Physics, Nanoscience, Optics and Photonics, Radiation Physics, and Measurement and Instrumentation house mostly home-grown facilities in diverse areas of Physics including synthesis of new materials, cryogenic and high temperature transport, electrical, thermal and magnetic properties measurement, homebuilt atomic force microscopy and magnetic resonance devices, optical spectroscopy, optical and Kerr microscopy, sensitive imaging, light modulation, radiation detection, X-ray fluorescence, quantum optics, single photon detection, electro deposition, electro spinning, sputter coating, and high speed electronic test and measurement equipment, to name a few.

**WHY PHYSICS?**

“...because it is the most prestigious University in Pakistan. I got the chance to be taught by the best faculty in Pakistan, and they showed me how I could compete with the world by contributing towards Science and Technology.”

Sheraz Zahid
MS Physics 2015