



A Not-for-Profit University

LUMS

Syed Babar Ali School of Science and Engineering
Office of the Dean

Dear Applicant,

Congratulations on being offered admission into the Syed Babar Ali School of Science and Engineering (SBASSE) at LUMS!

The Syed Babar Ali School of Science and Engineering (SBASSE) is a unique School in the region that combines science and engineering education into an integrated curriculum to impart a truly multidisciplinary learning experience to students. Our big goal is to produce scholars, innovators, thinkers, and leaders who can find innovative solutions to the grand challenges that our society faces and break new grounds in discovery and invention, such as mitigating global climate challenges, reverse engineering the brain, providing access to usable water, enabling personalized learning, securing cyberspace, tackling fake news, designing new drugs, solving mathematical challenges for the industry, democratizing the distribution of resources, improving access to health care, and enabling quantum computers.

We expect our graduates, who are equipped with contemporary tools and content knowledge, to be both passionate and empathetic scientists and engineers who are committed to improving the quality of human life. This is our singular goal. The SBASSE currently offers undergraduate degrees in several disciplines including: Biology, Chemistry, Computer Science, Electrical Engineering, Mathematics, Chemical Engineering and Physics. In addition to these, students can also opt for a joint major in Mathematics and Economics. Furthermore, students can minor in a range of disciplines, including the large variety of subjects offered in humanities and business etc.

The freshmen (first year) curriculum is common for all students, comprising core courses in Mathematics, Physics, Chemistry, Biology, Computer Science and Engineering. The purpose of a common 'core curriculum' is that it strengthens fundamental concepts of science and gives students sufficient time to declare their majors, in a thoughtful and reflective manner. It is this interdisciplinary, 'no boundaries' focus which distinguishes SBASSE from other programs in the country. Our multifaceted 21st century curriculum provides SBASSE undergraduates adequate breadth and depth in each of the majors and positions them to pursue rapidly evolving areas that interface with other disciplines.

In the near future, we are contemplating new minors and courses such as in the areas of design and data science. We also have launched several fellowships for students who wish to pursue careers in basic sciences. Throughout the four years of their undergraduate education, student learning takes place through lectures, tutorials, laboratories, problem-solving exercises, research projects and frequent interaction with experienced world-class faculty members. We are about a hundred Faculty members.

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With our resolute vision, excellent faculty, committed students and modern infrastructure, that includes state-of-the-art classrooms and laboratories, SBASSE is poised to become a globally competitive leader in research and education in the fields of science and engineering.

Research is dear to all of our colleagues here at the School. Our undergraduates get a chance to participate in cutting-edge research right from the early years of their education. This is a unique opportunity if you are passionate about discovery and finding creative solutions to the problems around us.

Therefore, if you fancy a career in hi-tech, modulated by a humanist approach to the society and are passionate about pursuing any of the degree programs that SBASSE offers, come, and join us.

We promise to bring out the very best in you and help you succeed in fulfilling your dreams. We promise that we strive for the very best!

بے جستجو کہ خوب سے بے خوب تر کہاں
اب ٹھہرتی ہے دیکھیے جا کر نظر کہاں

We look forward to welcoming you in SBASSE.

Best wishes,



Muhammad Sabieh Anwar, PhD
Ahmad Dawood Chair and Dean
Syed Babar Ali School of Science and Engineering

Dated: April, 2022

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