

<https://shu.edu.pk/student-affairs/life-at-shu/state-of-the-art-labs/>

State-of-the-Art Labs

The SHU campus houses a total of 33 well-equipped and fully functional state-of-the-art science, engineering, and computer labs, which enable students to apply the theoretical knowledge and concepts learned in class.

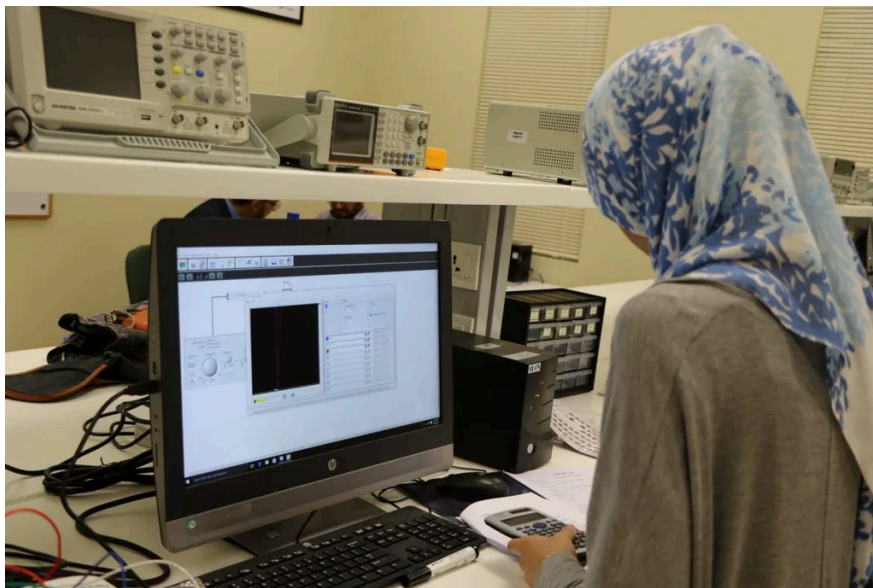
The engineering labs provide students with experiential learning through hands-on experimentation; and utilize interactive simulations and mathematical equation-based experiments to make learning fun for students. The engineering lab stations use online measurements and a practical embedded design. The idea is to combine hardware, software, and courseware to provide an all-in-one solution for the provision of a well-balanced engineering education. The experiments carried out in these labs are facilitated by the most modern lab equipment provided by world renowned vendors, including National Instruments, Edibon, Pasco, AD Instruments, GW Instek, Digimess, 3B Scientific, and several others.

Most of our labs, especially the ones for Pharmacy students, are equipped with LED support to enhance the richness of the learning environment by providing vivid visual images. The Pharmaceutical Chemistry and Biochemistry labs are perfectly designed for the safe handling of all sorts of chemicals in an isolated environment in bio-safety cabinets, as well as for cell biology and enzymology experiments. Similarly, the Physiology/Pharmacology labs are well-suited for various human and animal-based experiments as well as behavioral and metabolic studies.

Other highly specialized labs include the OSCE/OSPE, Pharmacognosy, and Histopathology labs, among others. There is also a simulation lab that facilitates advanced learning and simulation of IV sterile preparation, and contains simulations of community pharmacy and patient counselling areas, to instill basic healthcare skills in students.

All in all, the labs are designed to provide hands-on learning for every discipline of study offered at the University, and to train and prepare students for successful careers in their chosen fields.





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