

# SALIM HABIB UNIVERSITY

(FORMERLY BARRETT HODGSON UNIVERSITY)

## RESEARCH AREAS

**01** Biomedical Instrumentation

**02** Physiological Modeling and Simulations

**03** Biomedical Imaging and Signal Processing

**04** Medical Device Design

## Why ME Biomedical Engineering?

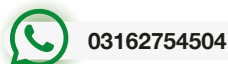
- Biomedical Engineering is an interdisciplinary integrated field of Engineering that aims to improve human healthcare through innovative use of technology.
- To provide advanced training in Biomedical Engineering which requires students to establish strong foundations of knowledge in biology, physiology and mathematics.
- To develop in-depth knowledge of both biological processes and engineering, leading students to bring improvements in academia, hospitals, clinical setups, medical research centers and the healthcare industry.

## Placements & Careers:

- Biomedical scientist and researcher
- Product development
- Equipment testing and validation
- Senior biomedical engineer
- Quality assurance manager
- Consultant and entrepreneur

**SALIM HABIB UNIVERSITY**  
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**SHU** NC-24, Deh Dih, Korangi Creek, Karachi 74900  
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## MASTER OF ENGINEERING (ME) IN BIOMEDICAL ENGINEERING

Faculty of Engineering



Chartered by Government of Sindh - Recognized by  
**HEC, Sindh HEC/CIEC, PEC & PCP**

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M.E.  
BIOMEDICAL  
ENGINEERING



## Program Structure

Total Credit Hours  
(course based): 30 Cr. Hr.  
coursework

Total Credit Hours (Research  
based): 24 Cr. Hr. coursework &  
6 Cr. Hr. research work



## Vision

To produce research-driven, innovative and entrepreneurial expert personnel in the field of Biomedical Engineering by imparting quality interdisciplinary education through highly qualified academicians and researchers for the benefit of society and the healthcare community.

To provide students with a dynamic learning academic environment that encourages excellence in both teaching and research, and results in students becoming skilled, innovative, and socially responsible professionals who can contribute to advancements in academia, research, the healthcare sector, and society.

## Mission

## Eligibility Criteria

- Sixteen years of education or a 4-Year Bachelor's degree (BS/BE/BSc) accredited by PEC after HSSC, A Level or equivalent board.
- A minimum of 2.5 CGPA/60% marks in previous education in the relevant engineering field of study.

## Admission Test & Interview

The students have to clear the SHU entry test with a minimum 50% score in each section (Subject & English).

If a candidate has already cleared the International (Subject) GRE/GAT/NTS, he/she will be exempted from the SHU entry test. The validity of International (Subject) GRE/GAT (International) is 5 years and that of NTS is 2 years.