

# SALIM HABIB UNIVERSITY

## Tracks Offered

01 Nanobiotechnology

02 Bioinformatics & Computational Biology

03 Molecular & Medical Biotechnology

04 Agricultural & Environmental Biotechnology

05 Pharmaceutical & Industrial Biotechnology

The BS Biotechnology program develops graduates with the ability to:

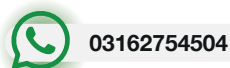
- Emphasize an interdisciplinary approach by integrating principles from biology and engineering.
- Develop practical skills through hands-on laboratory experiences.
- Encourage student engagement in research projects and enhance their ability to conduct and interpret experiments.
- Foster critical thinking and problem-solving skills for innovative biotechnological applications in health, agriculture, and the environment

## Placements & Careers

- Drug Development Scientist
- Bioprocess Engineer
- Genomics Data Scientist
- Clinical Research Coordinate
- Biotechnology Educator
- Environmental Biotechnologist
- Agricultural Biotechnologist
- Food Scientist
- Bioproduct Development Manager
- Biotech Product Specialist

**SALIM HABIB UNIVERSITY**

**SHU** NC-24, Deh Dih, Korangi Creek, Karachi 74900  
UAN: 021-111-248-338



Visit us: [www.shu.edu.pk](http://www.shu.edu.pk)



# SALIM HABIB UNIVERSITY

Faculty of Science

## BS Biotechnology

Integrating biology with technology for innovative solutions

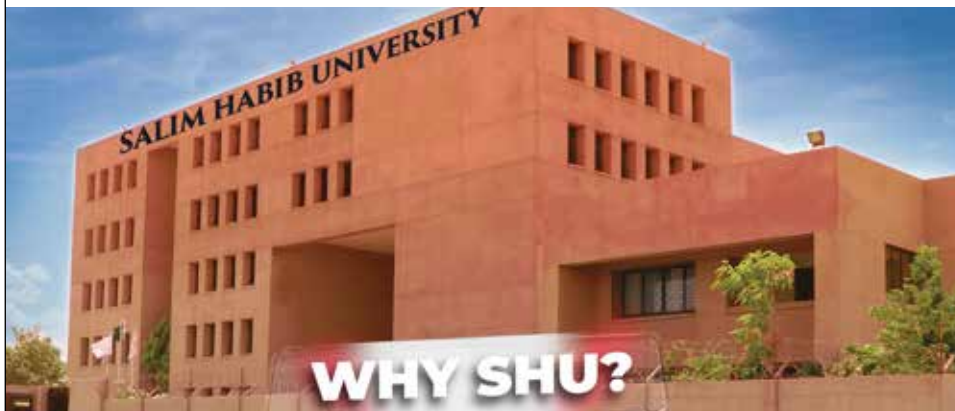


Chartered by the Government of Sindh - Recognized by  
HEC, Sindh HEC/CIEC - Accredited by PCP, PEC & NCEAC

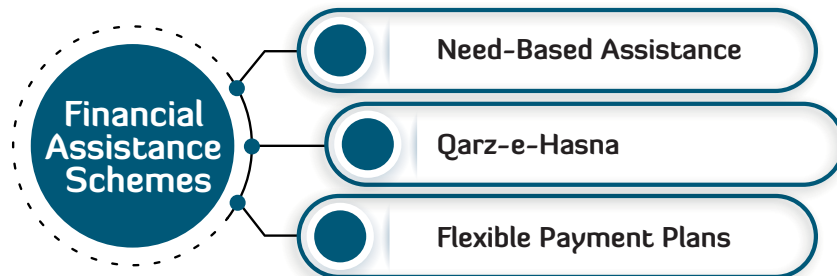
# SALIM HABIB UNIVERSITY



BS Biotechnology



- International standard cutting-edge curriculum
- Hi-tech laboratories for real world applications and research
- Experiential and project-based learning
- Career-focused marketable and entrepreneurial skills
- Personalized industry mentorship for nurturing entrepreneurial ideas
- Opportunities for international exposure and mobility through competitions and exhibitions
- Support and guidance from highly experienced and well-qualified faculty members



## Scholarships and Financial Assistance

We offer generous scholarships and financial assistance to ensure that no student is denied admission or leaves due to financial ineligibility or economic constraints.

Forms available on the website [www.shu.edu.pk](http://www.shu.edu.pk)

## Why Biotechnology?

**Medical Advancements:** Biotechnology leads to innovations in treatments, therapies, and diagnostics, enhancing healthcare and enabling personalized medicine.

**Agricultural Enhancements:** It improves crop yields, nutritional value, and pest resistance, supporting food security and sustainable agriculture.

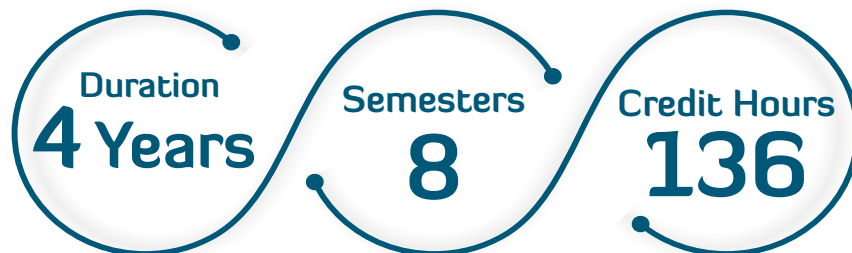
**Environmental Solutions:** Biotechnology tackles environmental challenges through bioremediation, waste management, and sustainable biofuels.

**Economic and Career Opportunities:** The field drives economic growth, creates jobs, and offers diverse career paths across various sectors.

**Scientific and Technological Innovation:** Biotechnology, including nanobiotechnology, fosters groundbreaking discoveries and applications, combining nanoscale technology with biological processes for advanced solutions.



## Program Structure



## Eligibility

- Minimum 50% marks in HSSC (Pre-Medical or Pre-Engineering) or equivalent qualifications recognized by the Inter Board Committee of Chairmen (IBCC)
- Clear the Aptitude Test and Interview at Salim Habib University