



SZABIST
UNIVERSITY

LIFE SCIENCES



DEPARTMENT OF BIOSCIENCES

BS BIOSCIENCES - BS BIOTECHNOLOGY
BS FOOD SCIENCE AND TECHNOLOGY
MS BIOSCIENCES - MS BIOTECHNOLOGY
Ph.D. BIOSCIENCES

Faculty of Life Science

Faculty

The Faculty at the Department of Biosciences includes foreign qualified professionals with relevant expertise and experience in both research and teaching. The faculty is heavily engaged in their research projects and also provides quality supervision to the students' research at SZABIST University Life Science Research Center (LSRC).



Lab Facilities

SZABIST University is proud of its hi-tech and state-of-the-art scientific laboratories conducting research at par with international standards. Our labs include:

- Applied Microbiology and Immunology Lab
- Animal Cell Culture Lab
- Plant Cell and Tissue Culture Lab
- Applied Biochemistry and Enzymology Lab
- Natural Product Chemistry and Biotransformation Lab
- Biotechnology and Molecular Biology Lab
- General Biosciences Labs
- Green House

Career Opportunities

Biosciences graduates have tremendous opportunities of serving in wide range of multidisciplinary sectors such as:

- Food Industry
- Biochemical Industry
- Biotechnology Companies
- Healthcare Sector (Public Health)
- Agriculture Sector
- Diagnostic Labs and Hospital
- Pharmaceutical Industry
- Bioinformatics Software Houses
- Research Centers
- Academia

A 6-8 week internship program in a reputable organization will further ensure to secure job placements for our graduates.

BS in Food Science and Technology

Degree Requirements ((BS FST)

BS Food Science and Technology

at SZABIST University is a four-year program spread over eight semesters and consists of 138 credit hours of teaching (46 courses), an internship of at least six weeks (3 credits), and a capstone project of 3 credit hours. The maximum time limit to complete the BS degree is six years.

Admission Criteria

For admission to BS Food Science and Technology program, the Candidates are required to have 50% marks in Intermediate (FSc with pre-medical or FSc with pre-engineering) or O-Levels (minimum 8 subjects including 5 compulsory subjects; English, Urdu, Maths, Islamiyat & Pakistan Studies) and A-levels (minimum 3 subjects including any two of these subjects; Biology, Chemistry, and Physics). Inter Board Committee of Chairmen (IBCC) equivalency/ attestation is required for O & A Levels/ IB Diploma/ High School Diploma/ SSC & HSC or equivalent. General Paper (A Levels) will not be counted.

BS in Biotechnology

Degree Requirements (BS Biotechnology)

BS Biotechnology at SZABIST University is a four-year program spread over eight semesters and consists of 138 credit hours of teaching (46 courses), an internship of at least six weeks (3 credits), and a capstone project of 3 credit hours. The maximum time limit to complete the BS degree is six years.

Admission Criteria

For admission to BS-Biotechnology program, the Candidates are required to have 50% marks in Intermediate (FSc with pre-medical or FSc with pre-engineering) or O-Levels (minimum 8 subjects including 5 compulsory subjects; English, Urdu, Maths, Islamiyat & Pakistan Studies) and A-levels (minimum 3 subjects including any two of these subjects; Biology, Chemistry, and Physics). Inter Board Committee of Chairmen (IBCC) equivalency/attestation is required for O & A Levels/IB Diploma/High School Diploma/SSC & HSC or equivalent. General Paper (A Levels) will not be counted.

Fee Structure for BS FST & BioTech*

30%
Subsidy on
Tuition Fee

Application Processing Fee	Rs. 2,000/-
Admission Fees:	Rs. 25,000/-
Security Deposit: (refundable)	Rs. 15,000/-
Student Activity Charges:	Rs. 1,500/-
Tuition Fees (Per Semester 17 Cr.Hrs)	Rs. 137,700/-
Tuition Fees after 30% Subsidy:	Rs. 96,390/-
Course Registration Fee Per Course	Rs. 500/-
Examination Fee Per Course	Rs. 500/-

*SZABIST University reserves the right to revise the fees/withdraw of scholarships without any prior notice.

BS in Biosciences (BS Bio)

Degree Requirements (BS in Biosciences)

BS Biosciences at SZABIST University is a four-year program spread over eight semesters and consists of 138 credit hours of teaching (46 courses), an internship of at least six weeks (3 credits), and a capstone project of 3 credit hours. The maximum time limit to complete the BS degree is six years.

Admission Criteria

For admission to BS in Biosciences program, the Candidates are required to have 50% marks in Intermediate (FSc with pre-medical or FSc with pre-engineering) or O-Levels (minimum 8 subjects including 5 compulsory subjects; English, Urdu, Maths, Islamiyat & Pakistan Studies) and A-levels (minimum 3 subjects including any two of these subjects; Biology, Chemistry, and Physics). Inter Board Committee of Chairmen (IBCC) equivalency/attestation is required for O & A Levels/IB Diploma/High School Diploma/SSC & HSC or equivalent. General Paper (A Levels) will not be counted.

Fee Structure*

Application Processing Fee	Rs. 2,000/-
Admission Fees:	Rs. 25,000/-
Security Deposit: (refundable)	Rs. 15,000/-
Student Activity Charges:	Rs. 1,500/-
Tuition Fees (Per Semester 6 courses)	Rs. 137,700/-
Tuition Fees after 40% Subsidy:	Rs. 82,620/-
Course Registration Fee Per Course	Rs. 500/-
Examination Fee Per Course	Rs. 500/-

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Admission Schedule

Admissions Start	: May 27, 2024
Last date to Apply	: July 24, 2024
Admission Test	: July 29-31, 2024
Interviews	: August 06 to 09, 2024
Classes Commence	: September 09, 2024

MS in Biosciences

Degree Requirements (MS-Bio)

MS Biosciences at SZABIST

University is a 2-years program spread over four semesters and consists of 30 credit hours. The curriculum includes 8 courses of 3 credit hours each and research project (Thesis) of six credit hours or 2 Independent Research Studies (IRS) or 2 additional elective courses, in order to complete the total credit hours. The maximum time limit to complete the MS degree is 4-years.

Admission Criteria

For admissions in the MS Biosciences program, candidates must possess 16 years of education in any field of life/biological sciences with minimum 50% marks/ 2.0 CGPA from a university recognized by HEC. GAT General/ HAT relevant is mandatory for MS students with minimum 50% score. Last Degree verification from Higher Education Commission (HEC) is also required.

Fee Structure*

Application Processing Fee	Rs. 2,000/-
Admission Fees:	Rs. 25,000/-
Security Deposit: (refundable)	Rs. 15,000/-
Student Activity Charges:	Rs. 1,500/-
Tuition Fees (Per Semester 4 courses)	Rs. 123,600/-
Tuition Fees after 40% Subsidy:	Rs. 74,160/-
Course Registration Fee Per Course	Rs. 500/-
Examination Fee Per Course	Rs. 500/-
Final Open Defense for MS by Research Program charges	: Rs. 10,000/-

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APPLY ONLINE:

Log on to : <http://admissions.szabist.edu.pk>

For further information please contact:

F-153, Clifton, Block-5, Karachi, Pakistan.

UAN: 111-922-478, Tel: (021) 358-23433, 358-30469, 358-30477.

Ext # : 333/334/335/336.

MS in Biotechnology

Degree Requirements (BS Biotechnology)

MS Biotechnology at SZABIST University is a 2-years program spread over four semesters and consists of 30 credit hours. The curriculum includes 8 courses of 3 credit hours each and research project (Thesis) of six credit hours or 2 Independent Research Studies (IRS) or 2 additional elective courses, in order to complete the total credit hours. The maximum time limit to complete the MS degree is 4-years.

Admission Criteria

For admissions in the MS Biotechnology program, candidates must possess 16 years of education in any field of life/ biological sciences with minimum 50% marks/ 2.0 CGPA from a university recognized by HEC. GAT General/ HAT relevant is mandatory for MS students with minimum 50% score. Last Degree verification from Higher Education Commission (HEC) is also required.

Fee Structure*

Application Processing Fee	Rs. 2,000/-
Admission Fees:	Rs. 25,000/-
Security Deposit: (refundable)	Rs. 15,000/-
Student Activity Charges:	Rs. 1,500/-
Tuition Fees (Per Semester 4 courses)	Rs. 123,600/-
Tuition Fees after 40% Subsidy:	Rs. 74,160/-
Course Registration Fee Per Course	Rs. 500/-
Examination Fee Per Course	Rs. 500/-
Final Open Defense for MS by Research Program charges	: Rs. 10,000/-

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PhD in Biosciences

Degree Requirements (PhD-Bio)

PhD in Biosciences is minimum 3-years program spread over 6 semesters. It is 48 credit hour program comprising of 5 courses, one Independent Research Study (3 credit hours) and a dissertation of 30 credit hours. The maximum time limit to complete the PhD degree is 8-years.

Admission Criteria

For admission in PhD Biosciences program, candidates must possess 17.5 years of education in any field of life/biological sciences with minimum 60% marks/ CGPA 3.00 from a university recognized by HEC. For Ph.D. Biosciences, SZABIST's own GAT Subject test has to be cleared with 70% score at the time of admission. Last Degree verification from Higher Education Commission (HEC) is also required.

Fee Structure*

Application Processing Fee	Rs. 2,000/-
Admission Fees:	Rs. 25,000/-
Security Deposit: (refundable)	Rs. 15,000/-
Student Activity Charges:	Rs. 1,500/-
Tuition Fees (Per Semester 3 courses)	Rs. 99,000/-
PhD Dissertation (per 3 Cr Hrs)	Rs. 55,200/-
Course Registration Fee per course	Rs. 500/-
Examination Fee per course	Rs. 500/-

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Discover Yourself