

LIFE SCIENCES

FALL 2021



KARACHI CAMPUS

(DEPARTMENT OF BIOSCIENCES)

**BS BIOSCIENCES - BS BIOTECHNOLOGY
MS BIOSCIENCES - MS BIOTECHNOLOGY
PH.D. BIOSCIENCES**

About SZABIST

Shaheed Zulfikar Ali Bhutto Institute of Science and Technology (SZABIST) is highly ranked and fully chartered institute of Pakistan established through a Legislative Act of Sindh Assembly (Sindh Act No. XI of 1995). It is approved and recognized by the Higher Education Commission (HEC) Pakistan as a degree awarding institution. All the programs offered at SZABIST are consistent with the guidelines laid by HEC and other regulatory bodies, for example, National Business Education Accreditation Council (NBEAC), National Computing Education Accreditation Council (NCEAC), National Accreditation Council for Teacher Education (NACTE), and Pakistan Engineering Council (PEC).

Vision

SZABIST aims to be a globally recognized institute for excellence in education, research, development, and distinction in service.

Mission

SZABIST is committed to produce highly qualified professionals to:

- Meet national and global contemporary needs;
- Conduct cutting edge research and development;
- Provide hi-tech scientific and technological expertise;
- Meet current and future socio-economic challenges;
- Meet global citizenship responsibility.

HEC & CIEC Ranking

SZABIST is ranked as one of the most reputed university by Higher Education Commission (HEC) and Chartered Inspection and Evaluation Committee (CIEC) Sindh. All programs of SZABIST are conducted under strict compliance of the relevant regulator bodies such as NBEAC, NCEAC, NACTE, PEC and KHDA Dubai. Since 2012, the SZABIST-QEC has been awarded more than 91% in the quantitative assessment by Quality Assurance Agency (QAA) HEC, Pakistan.

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)
- 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.



Faculty of Life Science

Faculty

The Faculty at the Department of Biosciences includes 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 at SZABIST Center for Biosciences Research (SCBR) laboratories.



Lab Facilities

SZABIST 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



BS in Biosciences

Degree Requirements (BS in Biosciences)

BS in Biosciences at SZABIST is a 4-years program of 8 semesters. Graduation requirements are 135 credit hours, an internship of at least 6 weeks, and a research project. The maximum time limit to complete the BS degree is 6-years.

Admission Criteria

For admission to BS in Biosciences program, the candidates are required to have 45% marks in Intermediate (FSc) 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 is required for O & A Levels/IB Diploma/High School Diploma or equivalent. General Paper (A Levels) will not be counted.



Fee Structure*

	Pakistani Nationals	Foreign Nationals
Prospectus and Test Fees:	Rs. 1,500/-	US\$ 45
Admission Fees:	Rs. 20,000/-	US\$ 500
Security Deposit: (refundable)	Rs. 10,000/-	US\$ 330
Student Activity Charges:	Rs. 1000/-	US\$ 30
Tuition Fees (Per Semester):	Rs. 100,500/- (five courses)	US\$ 2,250
Tuition Fees after Subsidy:	Rs. 60,300/-	US\$ 1,350

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

40%
Subsidy on
Tuition Fee

BS in Biotechnology

Degree Requirements (BS Biotechnology)

BS Biotechnology at SZABIST is a 4-years program of 8 semesters. Graduation requirements are 136 credit hours, an internship of at least 6 weeks, and a research project. The maximum time limit to complete the BS degree is 6-years.

Admission Criteria

For admission to BS Biotechnology program, the candidates are required to have 45% marks in Intermediate (FSc) 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 is required for O & A Levels/IB Diploma/High School Diploma or equivalent. General Paper (A Levels) will not be counted.



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Prospectus and Test Fees:	Rs. 1,500/-	US\$ 45
Admission Fees:	Rs. 20,000/-	US\$ 500
Security Deposit: (refundable)	Rs. 10,000/-	US\$ 330
Student Activity Charges:	Rs. 1000/-	US\$ 30
Tuition Fees (Per Semester):	Rs. 113,900/- (six courses)	US\$ 2,550
Tuition Fees after Subsidy:	Rs. 68,340/-	US\$ 1,530

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40%
Subsidy on
Tuition Fee

MS in Biosciences

Degree Requirements (MS-Bio)

MS Biosciences at SZABIST is a 2-year 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*

	Pakistani Nationals	Foreign Nationals
Prospectus and Test Fees:	Rs. 1,500/-	US\$ 45
Admission Fees:	Rs. 20,000/-	US\$ 500
Security Deposit: (refundable)	Rs. 10,000/-	US\$ 330
Student Activity Charges:	Rs. 1000/-	US\$ 30
Tuition Fees (Per Semester):	Rs. 106,800/- (four courses)	US\$ 2,460
Tuition Fees after Subsidy:	Rs. 64,080/-	US\$ 1,476

40%
Subsidy on
Tuition Fee

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MS in Biotechnology

Degree Requirements (MS-BioTech)

MS Biotechnology at SZABIST is a 2-year 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*

	Pakistani Nationals	Foreign Nationals
Prospectus and Test Fees:	Rs. 1,500/-	US\$ 45
Admission Fees:	Rs. 20,000/-	US\$ 500
Security Deposit: (refundable)	Rs. 10,000/-	US\$ 330
Student Activity Charges:	Rs. 1000/-	US\$ 30
Tuition Fees (Per Semester):	Rs. 106,800/- (four courses)	US\$ 2,460
Tuition Fees after Subsidy:	Rs. 64,080/-	US\$ 1,476



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Doctor of Philosophy (PhD) in Biosciences

Degree Requirements (PhD)

PhD in Biosciences is minimum 3-year 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. SZABIST's own test is mandatory to pass for Ph.D. students with minimum 70% score (in lieu of GRE/GAT Subject). Last Degree verification from Higher Education Commission (HEC) is also required.



Fee Structure*

	Pakistani Nationals	Foreign Nationals
Prospectus and Test Fees:	Rs. 1,500/-	US\$ 45
Admission Fees:	Rs. 20,000/-	US\$ 500
Security Deposit: (refundable)	Rs. 10,000/-	US\$ 330
Student Activity Charges:	Rs. 1000/-	US\$ 30
Tuition Fees (Per Semester):	Rs. 72,900/- (three courses)	US\$ 1,665

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Admission Schedule

Admissions Start	:	April 19, 2021
Last date to apply	:	June 10, 2021
Oral Test & Interview	:	June 21 - July 10, 2021
Orientation	:	September 2-4, 2021

APPLY ONLINE:

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

For further information please contact:

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