



BUITEMS

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UAN: 081-111-717-111

Bachelor of Science (Microbiology)

Criteria

F.Sc (Pre-Medical) from any recognized board or equivalent with at least 45% marks.

Entry test will be conducted by NTS.

FOR FURTHER INFORMATION

(Please contact)

**Balochistan University of Information
Technology, Engineering & Management
Sciences,**

Takatu Campus, Airport road, Quetta

Admission Office,

UAN: 081 111-717-111

081 2880426

Admission Branch: Ext: 163/207/203/211

www.buitms.edu.pk

Microbiology is the study of microorganisms, including bacteria, fungi, algae, protozoa, archaea, viruses and lies at the heart of life sciences. Microbiology is multidisciplinary in scope and covers all aspects of life forms. The under graduate program is designed to train students in Microbiological techniques and to give them an insight in the specialized and applied areas of the subject and their relationship with other disciplines. Micro-biology is indispensable to the fabric of medicine, associated health sciences, agriculture, ocean sciences, and the vital growing biotechnology industry of the present era. This integration of microbiology in imperative disciplines of life is opening doors for our graduates to different professional fields. Our graduates can make their career in various public and private Institutions in Pakistan.

COURSE INFORMATION

Course	BS(Microbiology)
Duration	4 Years (8 Semesters)
Department	Microbiology
Faculty	Life Sciences & Informatics
Campus	Takatu

Program Structure for BS (Microbiology)

COURSE STRUCTURE

SEMESTER-I

Functional English
Pakistan Studies
Mathematics- I (Algebra)
Biochemistry-I
Human Physiology-I
Fundamentals of Microbiology-I

SEMESTER-II

Communication skills
Islamic Studies / Ethics
Mathematics-II (Calculus)
Biochemistry-II
Human Physiology-II
Fundamentals of Microbiology-II

SEMESTER-III

Introduction to Computer
Technical Writing and Presentation Skills
Genetics
Ecology and Ecosystem
Microbial Taxonomy
Fundamentals of Biotechnology

SEMESTER-IV

Biodiversity of Animals
Current Environmental Issues
General Virology
Cell Biology
Mycology

SEMESTER-V

Biosafety and risk management
Immunology
Microbial Anatomy & Physiology
Epidemiology
Molecular Biology

SEMESTER-VI

Research Methodology
Soil Microbiology
Food Microbiology
Fresh Water Microbiology
Clinical Bacteriology

SEMESTER-VII

Molecular Mechanism of Antimicrobial Drugs
Marine Microbiology
Genetics Engineering
Medical Microbiology (Proposed)
Applied Immunology (Proposed)

SEMESTER-VIII

Bacterial Genetics
Research Project/ Internship
Biostatistics (Proposed)
Plant Pathology (Proposed)

Admission & 1st Semester Fee:

	Fee
Admission fee (Per academic session)	Rs. 10,530/-
Registration Fee (Per academic session)	Rs. 2,106/-
Security Fee (Refundable)	Rs. 4,680/-
Tuition Fee (Per Semester)	Rs. 16,224/-
Examination Fee (Per Semester)	Rs. 2,028/-
Lab & Library Fee (Per Semester)	Rs. 5,070/-
Total :	Rs. 40,638/-

2nd Semester and onward Fee

Tuition Fee (Per Semester)	Rs. 16,224/-
Examination Fee (Per Semester)	Rs. 2,028/-
Lab & Library Fee (Per Semester)	Rs. 5,070/-
Total :	Rs. 23,322/-

HOW TO APPLY

- For Application Submission, follow the link below:
- <http://admissions.buitms.edu.pk>
- Admission Processing fee is Rs 2,500/= (Non refundable)