

Bachelor of Microbiology & Pathology BS (MB&P)



**The BUITEMS
BS (MB&P)**
Opportunity to
serve health,
agriculture,
industry &
Environment

COURSE INFORMATION

Eligibility

- ✓ FSC (Pre-Engineering / Pre-Medical) or equivalent from any recognized Board with at least 45% marks.

Selection Process

- ✓ Qualifying aptitude test
- ✓ Appearing in an interview on the date / time as scheduled by the university

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| Program | BS (Microbiology & Pathology) |
| Duration | 4 Years (8 Semester) |
| Department | Microbiology & Pathology |
| Faculty | Faculty of Life Science & Informatics |
| Campus | City |

FOR FURTHER INFORMATION (Please contact)

**BALOCHISTAN UNIVERSITY OF INFORMATION TECHNOLOGY, ENGINEERING &
MANAGEMENT SCIENCES**

TAKATU CAMPUS , AIRPORT ROAD BALELI, QUETTA.
Admission Office, BUITEMS (Takatu Campus) Ph # 081-2881036/2880410 Ext: 265
Website: www.buitms.edu.pk



First Semester

- ✚ Islamic Study
- ✚ English Comprehension
- ✚ Introductory General Mathematics / General Biology
- ✚ Introduction to computer
- ✚ Introduction to Microbiology
- ✚ Principals of Biochemistry

Second Semester

- ✚ Pakistan Study
- ✚ English Technical Report Writing
- ✚ Multivariable Calculus
- ✚ Cell Biology
- ✚ Physiology

Third Semester

- ✚ English Communication skills
- ✚ Linear Algebra & Differential Equation
- ✚ Microbial Genetics
- ✚ Bacteriology & Microbial Taxonomy
- ✚ General pathology(animal & plant)

Fourth Semester

- ✚ Immunology
- ✚ Mycology & mycopathobiology
- ✚ Molecular Biology / rDNA Technology
- ✚ Molecular Plant Pathology
- ✚ General Virology
- ✚ Clinical Biochemistry

Fifth Semester

- ✚ Animal Diseases
- ✚ Microbial Biotechnology
- ✚ Cellular & Molecular Pathology
- ✚ Parasitology and Vector Biology
- ✚ Nursery and seed pathology
- ✚ Food & Dairy Microbiology

Sixth Semester

- ✚ Environmental microbiology
- ✚ Instrumentation & lab management
- ✚ Immunopathology
- ✚ Cancer Biology
- ✚ Marine / Fresh water Microbiology
- ✚ Bioethics

Seventh Semester

- ✚ Biosafety and risk management
- ✚ Research Methodology
- ✚ Clinical Bacteriology (animal & plants)
- ✚ Plant disease control
- ✚ Research Report / Specialized Course
- ✚ Optional

Eighth Semester

- ✚ Industrial aspects of microbiology
- ✚ Digital microbiology (microbiological informatics)
- ✚ Biostatistics
- ✚ Research Report / Specialized Course
- ✚ Optional

Fee Structure

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|------------------------------------|------------|
| ✚ Admission Fee (one time) | Rs.8972/- |
| ✚ Registration Fee (one time) | Rs.3572/- |
| ✚ Security Fee (one time) | Rs.3000/- |
| ✚ Tuition Fee (per semester) | Rs.10400/- |
| ✚ Examination Fee (per semester) | Rs.1300/- |
| ✚ Lab & Library Fee (per semester) | Rs.3250/- |