



# BUITEMS

QUALITY & EXCELLENCE  
IN EDUCATION

## Bachelor of Science in Mathematics

### Eligibility

- Intermediate with Mathematics (or equivalent degree) securing at least 45% marks in aggregate from any recognized Board

### Selection Process

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

FOR FURTHER INFORMATION  
(Please contact)

BALUCHISTAN UNIVERSITY OF  
INFORMATION TECHNOLOGY,  
ENGINEERING &  
MANAGEMENT SCIENCES  
CITY CAMPUS  
JINNAH TOWN,  
SAMUNGLI ROAD  
QUETTA

Admission Office,

Ph # 081-9201051/9201851 Ext: 291

Web: [www.buitms.edu.pk](http://www.buitms.edu.pk)

**BS Mathematics program provides the student with the fundamentals of the major areas of mathematics and develops mathematical way of thinking. The program produces graduates who have conceptual clarity and are able to express their thoughts and ideas in logical and coherent manner. The program provides the necessary background for students who wish to apply Mathematics in the Natural Sciences, in Engineering as well as for a career in Mathematical Sciences**

### COURSE INFORMATION

Program	BS (Mathematics)
Duration	4 Years (8 Semesters)
Total Fees	Rs. 130700/- approx-
Department	Mathematics
Faculty	Arts & Basic Sciences
Campus	City

# Program Structure for BS (Mathematics)

## First Semester

- Introduction to Computers
- Linear Algebra
- Calculus-I
- Computer Algebra System
- Functional English
- Physics -I

## Second Semester

- Introduction to Programming
- Calculus-II
- Discrete Mathematics
- Physics -II
- Pakistan Studies
- Computer Algebra System

## Third Semester

- Calculus -III
- Data Structure & Algorithms
- Statistics -I
- Mechanics
- Islamic Education
- Computer Algebra System

## Fourth Semester

- Complex Analysis
- Differential Equation
- Statistics -II
- Topology
- Technical Reporting Physics -I

## Fifth Semester

- Real Analysis- I
- Differential Geometry
- Algebra -I
- Differential Equations -II
- Modern Physics

## Sixth Semester

- Real Analysis -II
- Numerical Analysis -I
- Algebra -II
- Functional Analysis
- Mathematical Modeling and Simulation

## Seventh Semester

- Numerical Analysis -II
- Quantum Mechanics
- Operational Research
- Elective -I
- Elective -II

## Eighth Semester

- Elective-III
- Elective-IV
- Elective-V
- Final Project

## FEE STRUCTURE

- |                                     |            |
|-------------------------------------|------------|
| • Admission Fee (one time)          | Rs. 6750/- |
| • Registration Fee (one time)       | Rs. 1350/- |
| • Security Fee (one time)           | Rs. 3000/- |
| • Tuition Fee (per semester)        | Rs.10400/- |
| • Examination Fee (per semester)    | Rs. 1300/- |
| • Lab and Library Fee per semester) | Rs. 3250/- |