



## Bachelor of Science in Physics

### Eligibility

- Intermediate (Pre-Engineering or equivalent) from any recognized Board with at least 45% marks in the aggregate

### Selection Process

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

BS program in Physics provides a thorough foundation in the field of Physics together with a strong background in Mathematics. It enables students to apply the scientific methods, theoretical concepts and mathematical techniques to solve problems and analyze data. It is designed for those students who have an interest in Physics as a career and/ or those planning for higher studies in Physics. It can serve as a foundation for additional study in other disciplines

## COURSE INFORMATION

Program	BS (Physics)
Duration	4 Years (8 Semesters)
Total Fee	Rs. 130700/- approx-
Department	Physics
Faculty	Arts & Basic Sciences
Campus	Takatu

FOR FURTHER INFORMATION  
(Please contact)

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

Admission Office

Ph # 081-9201051/9201851 Ext: 291

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

## Program Structure for BS (Physics)

### First Semester

- Mechanics-I
- Waves and Oscillations
- Lab-I
- Mathematics-I
- English-I
- Pak. Studies
- \* Minor-I

### Second Semester

- Mechanics-II
- Thermodynamics & Statistical Mechanics
- Lab-II
- Mathematics-II
- English-II
- Islamic Studies
- \* Minor-II

### Third Semester

- Electricity & Magnetism-I
- Electronics & Modern Physics
- Lab-III
- Mathematics-III
- English-III
- Civilization
- \* Minor-III

### Fourth Semester

- Electricity & Magnetism-II
- Modern Physics
- Lab-IV
- Mathematics-IV
- English (Communication Skills)
- Computer Applications
- \* Minor-IV

### Fifth Semester

- Mathematical Methods-I
- Quantum Mechanics-I
- Classical Mechanics
- Electronics
- Lab-V

### Sixth Semester

- Mathematical Methods-II
- Quantum Mechanics-II
- Electrodynamics
- Thermal & Statistical Physics
- Lab-VI

**\* Chemistry/Geology/  
Geography/Statistics etc.**

### Seventh Semester

- Nuclear Physics
- Solid Stat Physics-I
- Atomic & Molecular Physics
- Lab-VII
- Optional

### Eighth Semester

- Computational Physics
- Solid Stat Physics-II
- Project
- Optional
- Optional

### 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/- |