



# BUITEMS

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UAN: 081-111-717-111

## Bachelor of Science in Computer Science BS(CS)

### Criteria

F.Sc (Pre Engineering)/ICS 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.

UAN: 081 111-717-111  
081 2880426

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

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The department of Computer Science at BUITEMS was founded in 2002, as an undergraduate program with just five faculty members and thirty students. Today, the computer science has twenty seven faculty members; most of them are foreign qualified from best universities of the world. The department has a growing, vibrant, research-oriented faculty who take great pride in research and in undergraduate and graduate education. We, at Department of Computer Science, are committed to imparting quality education in the fields of computer communication, networking, security, software development, database management systems, programming, and to examine the features, attributes, technical issues, and concepts in these areas.

### COURSE INFORMATION

Course	BS (Computer Science)
Duration	4 Years(8 Semesters)
Department	Computer Science
Faculty	Information & Communication Technologies
Campus	Takatu



# Program Structure for BS (Computer Science)

## COURSE STRUCTURE

### SEMESTER1

- Introduction to Computing
- Programming Fundamentals
- Calculus and Analytical Geometry
- Islamic Studies
- English I (Functional English)

### SEMESTER: 2

- Discrete Structures
- Object Oriented Programming
- Multivariable Calculus
- Basic Electronic
- Pakistan Studies
- English II (Communication Skills)

### SEMESTER: 3

- Digital Logic and Design
- Data Structures and Algorithms
- Linear Algebra
- Technical Report Writing
- Probability and Statistics
- CS Elective I - Computer Graphics

### SEMESTER: 4

- Operating Systems
- Introduction to Database Systems
- Differential Equations
- Introduction to Software Engineering
- Computer Organization and Assembly Language

### SEMESTER: 5

- Computer Communication and Networks
- Theory of Automata & Formal Languages
- Computer Architecture
- Human Computer Interaction
- University Elective I – Visual Programming
- University Elective II – Advanced Software Engineering

### SEMESTER: 6

- Compiler Construction
- Computer Science Elective II – Mobile Application Development
- Numerical Computing
- Design and Analysis of Algorithms
- University Elective III – Introduction to Psychology
- University Elective IV - Human Resource Management

### SEMESTER: 7

- Project Part I
- Computer Science Elective III – Wireless Networks
- Computer Science Elective IV – Web Engineering
- Artificial Intelligence
- Professional Practices

### SEMESTER: 8

- Project Part II
- Computer Science Elective V – Advanced DBMS
- Computer Science Elective VI – Data and Network Security
- Computer Science Elective VII – System Administration

#### Admission & 1st Semester 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:*

*URL: <http://admissions.buitms.edu.pk>*

*Admission processing fee is Rs 2,500/= (Non Re-fundable)*