

Bachelor of Science in Information Technology (BSIT): 8 (Semesters) 4 Years Morning and Evening Program (144)

Pre-requisite: H.S.C Pre- Engineering / Pre-Medical / Commerce / General Science with Physics and Computer background, with at least 45% aggregate marks, Pre-Entry Test.
Admission on district U/R quota basis, 61 seats available.

FIRST YEAR

1st Semester

ENG-300	English I Composition and Comprehension (3)
PS-303	Pakistan Studies (1)
ITEC-310-311	Basic Electronics (3,1)
ITEC-312-313	Programming Fundamentals (3,1)
ITEC-314-315	Introduction to Information Technology (2,1)
ITEC-316	Calculus and Analytical Geometry (3)

2nd Semester

ENG-301	English II Communication Skills (3)
IS-302	Islamic Studies/Ethics (2)
. . . -305	Elective I -Non Technical (2)
ITEC-318-319	Electronic Circuit Design (3,1)
ITEC-320-321	Object Oriented Programming Paradigm (3,1)
ITEC-322	Linear Algebra (3)

SECOND YEAR

3rd Semester

ENG- 400	English III Technical and Business Writing (3)
. . . -402	Elective II - Non Technical (2)
ITEC-410-411	Digital Logic and Computer Architecture (3,1)
ITEC-412-413	Java Programming (3,1)
ITEC-414-415	Data Structures and Algorithms (3,1)
ITEC-416-417	Telecommunication Systems (2,1)

4th Semester

ITEC-418	Discrete Structure (3)
ITEC-420-421	Computer Organization and Assembly Programming (3,1)
ITEC-422	Information Systems (3)
ITEC-424	System Analysis and Design (3)
ITEC-426	Probability and Statistics (3)
ITEC-428-429	Computer Graphics (2,1)

THIRD YEAR

5th Semester

ITEC-510	Organizational Behavior (3)
ITEC-512-513	Introduction to Software Development (2,1)
ITEC-514-515	Database Systems (3,1)
ITEC-516-517	Computer Communication and Networks (2,1)
ITEC-518-520	Web Systems & Technologies (2,1)

6th Semester

ITEC-520-521	Operating Systems (3,1)
ITEC-522-523	Wireless Communication and Protocols (2,1)

6th Semester

ITEC-524-525	Advance Database Systems (2,1)
ITEC-526-527	Multimedia Technology (2,1)
ITEC-528-529	System and Network Administration (2,1)

FOURTH YEAR**7th Semester**

ITEC-610	System Integration & Architecture (3)
ITEC-612-613	Distributed Computing (3,1)
ITEC-614	Human Computer Interaction (3)
ITEC-615	Network Management and Security (3)
ITEC-616	Computer Vision and Image Processing (3)

8th Semester

ITEC-620-621	Fundamentals of Mobile & Pervasive Computing (3,1)
ITEC-622	Professional Practice (3)
ITEC-624	Project (6)

List of Electives Courses - Non Technical (2)

1. Foundation of Physical Education (HPE)
2. Health Education (HPE)
3. Basic Concepts of Psychology (PSY)
4. Civilization (CIV)
5. Principles of Economics (ECON)
6. Natural Resources Management (DS)
7. Personality Theories (PSY)
8. Industrial Psychology (PSY)
9. Introduction to Behavioral Sciences (PA)
10. Total Quality Management (PA)
11. Introduction to Sociology (SOC)
12. Fundamentals of Criminology (CRM)
13. Philosophy (PHLO)
14. Environmental Sciences (ENVS)