

Revised Bachelor of Science in Information Technology (BSc IT) Program Structure

**To be applicable w.e.f. July 2009 Session Onwards
(Cycle II of 2009) for New Admission**

1st Semester

Course code	Course Title	Credits
BS 11	Fundamentals of Computers	4
BS 12	Operating Systems	4
BS 13	Introduction to Digital Electronics	3
BS 14	Database Management System	2
BS 14-L	Database Management System (Lab)	1
BS 15	Basics of Internet and HTML	2
BS 15-L	Basics of Internet and HTML (Lab)	1
Total Credits		17

2nd Semester

Course code	Course Title	Credits
BS 21	Introduction to Programming – C Language	4
BS 21-L	C Programming Language (Lab)	1
BS 22	Computer Architecture	3
BS 23	RDBMS	4
BS 23-L	RDBMS (Lab)	1
BS 24	Digital Computer Fundamentals	2
BS 25	Business Communication	2
Total Credits		17

3rd Semester

Course code	Course Title	Credits
BS 31	Computer Graphics	3
BS 32	Web programming & Java Script	4
BS 32-L	Web programming & Java Script (Lab)	1
BS 33	Data Communication	3
BS 34	Object Oriented Programming with C++	3
BS 34-L	Object Oriented Programming with C++ (Lab)	1
BS 35	Mathematics – I	2
Total Credits		17

4th Semester

Course code	Course Title	Credits
BS 41	Visual Programming	4
BS 42	Computer Networks	3
BS 43	Data Structures using C++	3
BS 43-L	Data Structures using C++ (Lab)	1
BS 44	Java programming	3
BS 44-L	Java programming (Lab)	1
BS 45	Mathematics – II	2
	Total Credits	17

5th Semester

Course code	Course Title	Credits
BS 51	Software Engineering	4
BS 52	Design Analysis and Algorithm	4
BS 52-L	Algorithms (Lab)	1
BS 53	Advance Java Programming	4
BS 53-L	Advance Java Programming (Lab)	1
BS 54	Network Programming	3
	Total Credits	17

6th Semester

Course code	Course Title	Credits
BS 61	Unix Systems Programming	3
BS 61-L	Unix Systems Programming (Lab)	1
BS 62	ASP.NET Programming using C#	3
BS 62-L	ASP.NET Programming using C# (Lab)	1
BS 63	VB.NET and XML	3
BS 63-L	VB.NET and XML (Lab)	1
BS 64	Software Quality & Testing	2
BS 65	Project	3
	Total Credits	17