

The design and implementation of BScIT offers new challenges when compared to the traditional computing environment. The recent emergence of global business, new technologies for data processing and data communication / networking environment, equip specialized science graduates to focus on professional careers in Information Technology.

The BScIT program has been developed to provide the students with adequate theoretical and practical knowledge which will enable them to effectively participate in solving the complex problem of the IT industry.

SMU's IT programs intend to equip graduates with the knowledge and skills required to contribute to the vital area of Information Technology.

Primary objectives of this program:

- Imparting knowledge of computer and programming logic environment in IT.
- Knowledge of advanced IT applications in different business sectors.
- To equip students with the technical knowledge required for an IT professional to handle multi-tasking and multi-programming situations and to assess and develop computer based solutions.

Eligibility: 10+2 or equivalent / 3 year Diploma from a State Board of Technical Education.

Course Fees: Rs 9,200/- per semester inclusive of examination fees or as revised from time to time.

Minimum duration : 3 years (6 semesters).

Maximum duration : 6 years.

Minimum counseling and hands-on experience at Learning Centers : 160 hrs/semester

Course Structure

First Semester		
Sub. Code	Title	Credit
BT0031	Basics of IT	2
BT0032	Structured System Analysis and Design [SSAD]	2
BT0033	Data Structure using ' C '	4
BT0034	DBMS and SQL Server	4
BT0035	Internet and Multimedia	4
Total Credits		16

Second Semester		
Sub. Code	Title	Credit
BT0036	Operating System [OS]	2
BT0037	Linux (OS)	2
BT0038	Communication skills in English	4
BT0039	Basic Mathematics	4
BT0040	Visual Programming with VB	4
Total Credits		32

Provision for lateral entry to second semester of BSc IT:

Eligibility:

(a) 10+2 and Six months Computer Course from a reputed institution*.

OR

(b) 3 year Diploma in CS or IT from a State Board of Technical Education.

OR

(c) 3 year Diploma from a State Board of Technical Education and six month computer course from a reputed institution*.

Additional Fees: In addition to the regular fees, an additional lateral entry fee of Rs. 3,700 /- (including examination fees) is payable by students opting for this scheme.

Note: In this lateral entry scheme, a student has to appear and pass the first semester examination. Books of First semester will be supplied by the University and assessment will be completed at the Learning Centers.

Third Semester		
Sub. Code	Title	Credit
BT0041	WML & WML Script	2
BT0042	Introduction to (Dot) .Net Technology	2
BT0043	OOPS using C++	4
BT0044	Computing Numerical & Statistical Methods	4
BT0045	Data Communication & Computer Networking	4
Total Credits		48

Fourth Semester		
Sub. Code	Title	Credit
BT0046	Communication Technology	2
BT0047	Management Information Systems (MIS)	2
BT0048	Accounting Principles & Practice	4
BT0049	Software Engineering	4
BT0050	Data Warehousing & Mining	4
Total Credits		64

Fifth Semester		
Sub. Code	Title	Credit
BT0051	UNIX Operating Systems	2
BT0052	Client Server Architecture	2
BT0053	Java Programming	4
BT0054	Basics of e-Commerce	4
BT0055	Internet Technology and Web Designing	4
Total Credits		80

Sixth Semester		
Sub. Code	Title	Credit
BT0056	Software Testing and Quality Assurance	2
BT0057	Quality Management Principle	2
BT0058	Optical Base Networking	2
BT0059	Information System Security	2
BT0060	Database Concept with Oracle	4
BT0061	PROJECT	4
Total Credits		96

* For the list of approved institutions visit our website <http://dde.smuhmts.edu>