

School of Information Technology

Program Structure – Five Year Integrated Master of Science and Bachelor of Science Information Technology

YEAR 1	YEAR 2	YEAR 3
<ul style="list-style-type: none"> • Programming using 'C' • Fundamental of Computer Organization • Introduction to Microprocessor and Digital Electronics • Fundamental of Statistics • Data Structures Programming in C • Database Management System • System Analysis and Design • Fundamental of Mathematics • Science Of Living • Yoga & Meditation • Physical Education 	<ul style="list-style-type: none"> • Object Oriented Programming with “C++” • Relational Database Management System • Internet Concepts and Web Designing • Operating System • Management Information System • Java Programming • Computer Networks • ASP.Net • Business Intelligence :Data Warehousing and Data Mining • Design and Analysis of Algorithm 	<ul style="list-style-type: none"> • Advanced ASP.NET • Computer Graphics • Software Engineering • Information Security & Management • E-Business • UNIX and SHELL Programming • Cyber Security and Forensic • Python Programming • Preparation of Project • Project-I

**After completion of three years of B.Sc.IT student can discontinue for further M.Sc.IT from integrated program.*

M. Sc. IT (Integrated) – 1st Semester	M. Sc. IT (Integrated) – 2nd Semester	M. Sc. IT (Integrated) – 3rd Semester	M. Sc. IT (Integrated) – 4th Semester
<ul style="list-style-type: none"> • Discrete Mathematics • Cryptography & Network Security • Mobile Computing • System Simulation and Modelling • Advanced PHP 	<ul style="list-style-type: none"> • Advance Java Programming • Artificial Intelligence • Enterprise Resource Planning • Wireless Technologies • Adv. Python Programming with Django 	<ul style="list-style-type: none"> • Cloud Computing Technology • Software Testing • Software Project Management • Elective – I • Elective - II 	<ul style="list-style-type: none"> • Project - II

*** Two Electives subjects in the 3rd Semesters to make total of 15 Subjects.*

Electives Modules for BSc.IT & M. Sc. IT (Integrated)	
<ul style="list-style-type: none"> • Distributed System • Automata Theory • Compiler Design 	<ul style="list-style-type: none"> • Advance database management system • Linux Administration • Neural Network and Fuzzy Logic

**AURO University reserves the right to change the course curriculum*