

Outline of BCA-MCA Integrated Program

Semester I

Prog. Code	Subject Name	Credits
BCA-101	Programming Fundamentals using C	4
BCA-102	Software Constructs & Tools	4
BCA-103	Computer Platforms	4
BCA-104	Mathematics-I	4
BCA-105	Practical Lab-I	2

Semester II

Prog. Code	Subject Name	Credits
BCA-201	System Analysis	4
BCA-202	Computer Architecture	4
BCA-203	Mathematics-II	4
BCA-204	Business Flow Systems	4
BCA-205	Practical Lab-II	2

Semester III

Prog. Code	Subject Name	Credits
BCA-301	Networking	4
BCA-302	Database Management Systems	4
BCA-303	Data Structures & Algorithms	4
BCA-304	Object Oriented Programming using C++	4
BCA-305	Practical Lab-III	2

Semester IV

Prog. Code	Subject Name	Credits
BCA-401	Programming in Java	4
BCA-402	Operating Systems	4
BCA-403	Software Engineering	4
BCA-404	Principles of Management	4
BCA-405	Practical Lab-IV	2

Semester V

Prog. Code	Subject Name	Credits
BCA-501	Internet & Website Management	4
BCA-502	Computer Graphics	4
BCA-503	Visual Programming	4
BCA-504	E-Commerce	4
BCA-505	Practical Lab-V	2

Semester VI

Prog. Code	Subject Name	Credits
BCA-602	Project	10
BCA-603	Software Project Management	4
BCA-604	Professional Communication & Technical Writing	4

Semester VII

Prog. Code	Subject Name	Credits
MCA-301	UNIX & Shell Programming	4
MCA-302	Data Mining & Data Warehousing	4
MCA-303	Artificial Intelligence	4

MCA-304	Computer Graphics	4
MCA-305	Practical Lab-III	2

Semester VIII

Prog. Code	Subject Name	Credits
MCA-401	Analysis & Design of Computer algorithms	4
MCA-402	C# & .Net Technology	4
MCA-403	Software Project Management	4
MCA-404	Advanced Computer Architecture	4
MCA-405	Practical Lab-IV	2

Semester IX

Prog. Code	Subject Name	Credits
MCA-501	Advance Java	4
MCA-502	Neural Networks	4
MCA-503	Object Oriented Design & Modeling	4
MCA-504	Quality Management Principles	4
MCA-505	Practical Lab-V	2

Semester X

Prog. Code	Subject Name	Credits
MCA-601	Major Project	20