

MASTER OF COMPUTER APPLICATIONS (MCA)

Welcome to the family of distance learners and IGNOU's Master of Computer Applications Programme. It is a 3-year programme during which you will study a wide range of topics in computer science and applications. You will receive support from IGNOU through the regional centre, study centre to which you will be allotted and also from IGNOU's website.

The broad objective of the MCA programme is to prepare graduate students for productive careers in software industry and academia by providing an outstanding environment for teaching and research in the core and emerging areas of the discipline. The programme's thrust is on giving the students a thorough and sound background in theoretical and application-oriented courses relevant to the latest computer software development. The programme emphasizes the application of software technology to solve mathematical, computing, communications / networking and commercial problems.

This Master's Degree Programme has been designed with a semester approach in mind. The first year courses are aimed at skills development in computers using various technologies, the second year is more focussed on core courses providing conceptual framework and the third year provides the specialization and the project work. MCA programme consists of 31 courses worth 108 credits.

We wish you all the success in pursuing the MCA programme.

Lateral Entry:

No Lateral Entry Scheme to MCA in 2005 - Reg

This is to bring to the notice of all concerned that consequent upon the launching of revised MCA syllabus from January 2005 cycle, it has been decided to postpone the Lateral Entry Scheme. Accordingly there would be no qualifying examination under the said scheme during June 2005 TEE. However, the qualifying examination would be held in June, 2006 as per schedule.

Benefits

Along with the knowledge in the Computer Science Core Courses, students will acquire various practical skills like:

- * Programming in C Language
- * Assembly Language Programming
- * Database Implementation
- * Java, JSP, DHTML, ASP
- * Windows NT, Linux
- * UNIX, Shell Programming
- * Scripting Languages
- * Network Management & Programming
- * Practicals on Software Engineering
- * Practicals on Object Oriented Analysis & Design
- * Graphics & Multimedia

On successful completion of first year courses of MCA, a student will be awarded Post Graduate Diploma in Computer Applications (PGDCA).

Other Skills:

- * Communication Skills
- * Management Skills
- * Exposure to Financial Accounting Package
- * Network Administration & Security

Courses on Specialization in the 5th Semester

- * Communication Skills
- * Exposure to Financial Accounting Package

Our Students are placed in top IT companies.

Admissions

Some of the important information regarding Admission in MCA Programme:

- * Admission announcements for the MCA programme is issued in May/June.
- * The last date for submission of filled -in application forms is 15 September.
- * The academic session starts from 01 January.

Programme Structure

The programme structure for MCA is:

I - SEMESTER

Course	Course Title	Credits
MCS-011	Problem Solving and Programming	3
	Computer Organization and Assembly	
MCS-012	language Programming	4
MCS-013	Discrete Mathematics	2
MCS-014	Systems Analysis and Design	3
MCS-015	Communication Skills	2
MCSL-016	Internet Concepts and Web Design	2
MCSL-017	C and Assembly Language Programming Lab	2

II - SEMESTER

Course	Course Title	Credits
MCS-021	Data and File Structures	4
	Operating System Concepts and	
MCS-022	Networking Management	4
	Introduction to Database Management	
MCS-023	Systems	3
	Object Oriented Technologies and Java	
MCS-024	Programming	3
MCSL-025	Lab (based on MCS-021, 022, 023 & 024)	4

III - SEMESTER

Course	Course Title	Credits
MCS-031	Design and Analysis of Algorithms	4
MCS-032	Object Oriented Analysis and Design	3
MCS-033	Advanced Discrete Mathematics	2
MCS-034	Software Engineering	3
MCS-035	Accountancy and Financial Management	3
MCSL-036	Lab(based on MCS-032, 034 and 035)	3

IV - SEMESTER

Course	Course Title	Credits
MCS-041	Operating Systems	4
MCS-042	Data Communication and Computer Networks	4
MCS-043	Advanced Database Management Systems	4
MCS-044	Mini Project	4
MCSL-045	Lab(UNIX & Oracle)	2

V - SEMESTER

Course	Course Title	Credits
MCS-051	Advanced Internet Technologies	3
MCS-052	Principles of Management and Information Systems	2
MCS-053	Computer Graphics and Multimedia	4
MCSL-054	Lab(based on MCS-051 & 053)	2
MCSE-001	TO	
012	3 Stream* Courses	9

VI - SEMESTER

Course	Course Title	Credits
MCSP-060	Project	16