

## M.C.A

M.C.A Course is started from the academic year 1994 - 95. The course duration is 3 years [6 Semesters]. The students who studied BCA or B.Sc. Computer Science can join in direct second year of MCA (Semester III) Course through lateral entry system provided they have to get the permission from the University of Madras.

### Other features:

- Excellent infrastructure with well-equipped Laboratories, well lighted, airy and spacious lecture halls
- Good Library with digital library facility
- Separate Hostels for boys and girls
- Experienced faculty with placement assistance.
- Management & Government scholarships

### Eligibility for Admission

Candidate who has passed the under-mentioned degree examinations of this University or an examination of other institution recognized by this University as equivalent thereto provided they have undergone the course under 10+2+3 or 11+1+3 or 11+2+2 pattern or under the Open University System, shall be eligible for admission to the M.C.A. Degree Course.

(a) B.C.A/B.E.S/B.Sc. in Computer Science/Mathematics/Physics/ Statistics / Applied Sciences OR (b) B.Com / Bachelor of Bank Management/B.B.A/B.L.M/B.A Corporate Secretaryship / B.A. Economics/ any other Bachelor's Degree in any discipline with Business Mathematics and Statistics or Mathematics/Statistics in Main/Allied level OR (c) B.Sc. Chemistry with Mathematics and Physics as allied subjects OR (d) B.E/B.Tech../M.B.A OR (e) A Bachelor's Degree in any discipline with Mathematics as one of the subjects at the Higher Secondary level (i.e. in +2 level of the 10+2 pattern)

### Provision for Lateral Admission

- 1) Candidates with PGDCS of this University or any other University as equivalent thereto, provided he/she satisfies the eligibility condition as above, shall be admitted to the Second year of the M.C.A. Degree Course.

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- 2) Students who have completed Bachelor's Degree of Minimum 3 years duration in B.C.A./ B.Sc. (Computer Science) with mathematics as a course at 10+2 level or at graduate level shall alone be eligible for admission to Second year M.C.A. Course (Lateral Entry). They have to obtain eligibility certificate from the University.

**Duration of the Course**

The Course duration shall be three years consisting of six semesters. In order to be eligible for the award of the degree the candidate shall successfully complete the course in a maximum period of five years reckoned from the date of enrolment for the first semester of the course.

**Placement Opportunity:**

Students who finish M.C.A. may be placed in the following positions in the Software companies.

- Software Developer
- Multimedia Content Designer
- Database Administrator
- Network Administrator
- System Programmer

**MASTER OF COMPUTER APPLICATION (M.C.A) [PSG]****Subject List**

REVISED REGULATIONS (Effective from the academic year 2015-2016 on words)

**SEMESTER - I**

Sl. No	Subject	Sub. Code	Ins.Hr	Credits	IA	EA	Total
1	Programming in C and C++	PSG1A	5	4	25	75	100
2	Digital Computer Fundamentals	PSG1B	5	4	25	75	100
3	Open Source Software	PSG1C	5	4	25	75	100
4	Practical – I: Programming in C and C++Lab	PSG11	4	2	40	60	100
5	Practical –II: Open Source Software Lab	PSG12	4	2	40	60	100
6	Non Major Elective –I Mathematics for Computer Science	PEG1A	5	4	25	75	100
7	SoftSkill-1 Language & Communication skill	PSSEA	2	2	40	60	100

**SEMESTER - II**

1	Data Structures	PSG2A	5	4	25	75	100
2	Programming in Java	PSG2B	5	4	25	75	100
3	System Software	PSG2C	5	4	25	75	100
4	Practical – I: Data Structures Using C++ Lab	PSG21	4	2	40	60	100
5	Practical –II: Programming in Java Lab	PSG22	4	2	40	60	100
6	Statistical Methods	PEG2A	5	4	25	75	100
7	SoftSkill-2 Language & Communication skill	PSSEB	2	2	40	60	100

**SEMESTER - III**

1	Design And Analysis of Algorithms	PSG3A	4	4	25	75	100
2	Computer Graphics	PSG3B	4	4	25	75	100
3	Advanced Java Programming	PSG3C	4	4	25	75	100
4	Operating Systems	PSG3D	4	2	25	75	100
5	Non Major Elective –II Accounting & Financial Management	PEG3A	4	2	25	75	100
6	Practical – V : Advanced Java Lab	PSG31	4	4	40	60	100
7	Practical – VI : Operating Systems and Computer Graphics Lab	PSG32	4	4	40	60	100
8	SoftSkill-3 Life & Managerial Skill	PSSEC	2	2	40	60	100

SEMESTER - IV							
1	Computer Networks	PSG4A	4	4	25	75	100
2	Database Management Systems	PSG4B	4	4	25	75	100
3	Software Engineering	PSG4C	4	3	25	75	100
4	Multimedia Systems	PSG4D	4	3	25	75	100
5	Elective – I: Digital Image Processing		4	3	25	75	100
	Elective – I: E-Commerce						
	Elective – I: Information Security	PSGEC					
6	Practical – VII: RDBMS Lab.	PSG41	4	2	40	60	100
7	Practical – VIII: Multimedia Systems Lab	PSG42	4	2	40	60	100
8	SoftSkill-4 Technical Writing	PSSEP	1	2	40	60	100
9	SoftSkill-5 Quantitative Aptitude	PSSER	1	2	40	60	100
10	Internship: During summer vacation 6 to 8 weeks						100
SEMESTER - V							
1	Object Oriented Analysis and Design		4	3	25	75	100
2	Web based Application Development		4	3	25	75	100
3	Elective – II: Big Data Analytics		4	4	25	75	100
	Elective – II: Software Testing						
	Elective – II: Theory of Computation						
4	Elective – III: Mobile Computing		4	4	25	75	100
	Elective – III: Cloud Computing						
	Elective – III: Artificial Neural Networks						
5	Practical – IX: Web Applications Lab.		4	2	40	60	100
6	Practical – X: Mini project		4	2	40	60	100
8	Internship: During summer vacation 6 to 8 weeks of 2nd year			3			
9	SoftSkill-6 Contemporary Awareness	PSSEN	2	2	40	60	100
SEMESTER - VI							
1	Project & viva-voce		-	20	20	60+20	100

**Computer Laboratory**





Mr. A.MOHUDUM KAMIL SENIOR SOFTWARE ENGINEER giving a presentation on Android Application



COMP-FEST2K17 –Intra Departmental Symposium