

Master in Computer Application (MCA)
Course Curriculum based on Choice Based Credit System (CBCS)

<u>Sem</u>	<u>Course Code</u>	<u>Title of the Course</u>	<u>Marks</u>	<u>Credit CRT+NGA</u>
I	MCA/C/101	Computer Organization & Architecture	100	3+1
	MCA/C/102	Data Structure with 'C'	100	3+1
	MCA/C/103	Computer Programming with 'C'	100	3+1
	MCA/C/104	Basic Mathematics for Computers	100	3+1
	MCA/C/105	Business English & Communication	100	3+1
	MCA/C/106	Micro Programming & Architecture Lab	75	2+1
	MCA/C/107	Programming with 'C'	75	2+1
	MCA/C/108	Business Presentation & Language Lab	50	2+1
II	MCA/C/209	Data Communication & Computer Networks	100	3+1
	MCA/C/210	Intelligent System Analysis & Design	100	3+1
	MCA/C/211	Business Management	100	3+1
	MCA/C/212	Database Management System-I	100	3+1
	MCA/C/213	Object Oriented Programming with 'C++'	100	3+1
	MCA/C/214	Data Structure Lab	75	2+1
	MCA/C/215	Database Lab	75	2+1
	MCA/C/216	Object Oriented Programming Lab (C++)	50	2+1
III	MCA/C/317	Operating System & System Software	100	3+1
	MCA/C/318	Unix and Shell Programming	100	3+1
	MCA/C/319	Intelligent System	100	2
	MCA/C/320	Statistics & Numerical Techniques	100	3+1
	MCA/C/321	Business System & Applications	50	3+1
	MCA/C/321	Accountancy & Financial Management	50	2
	MCA/C/322	Unix Lab	75	2+1
	MCA/C/323	Statistical & Numerical Analysis Lab	75	2+1
	MCA/C/324	Accountancy System Lab	50	2+1
	IV	MCA/C/425	Software Engineering & Total Quality Mgt.	100
MCA/C/426		Graphics & Multimedia	100	3+1
MCA/C/427		Database Management System-II	100	3+1
MCS/C/428		Operation Research & Optimization Techniques	100	3+1
MCA/C/429		Environment & Ecology	100	3+1
MCA/C/430		Software Project Management Lab	75	2+1
MCA/C/431		Graphics & Multimedia Lab	50	2+1
MCA/C/432		Advance Database Lab	75	2+1
V		<u>Select one course from A/B/C</u>		
	MCA/C/533/A	Distributed Database Management	100	3+1
	MCA/C/533/B	Image Processing	100	3+1
	MCA/C/533/C	Parallel Programming	100	3+1
	MCA/C/534/A	System Administration and Linux	100	3+1
	MCA/C/534/B	Windows Programming using Visual Basic	100	3+1
	MCA/C/535/A	Advance Unix Programming	100	3+1
	MCA/C/535/B	Object oriented Programming with 'JAVA'	100	3+1

	<i>MCA/C/536/A</i>	<i>Compiler Design</i>	<i>100</i>	<i>3+1</i>
	<i>MCA/C/536/B</i>	<i>E-Commerce</i>	<i>100</i>	<i>3+1</i>
	<i>MCA/C/537</i>	<i>Values and Ethics of Profession</i>	<i>100</i>	<i>3+1</i>
	<i>MCA/C/538/A</i>	<i>System Administration and Linux Lab</i>	<i>50</i>	<i>2+1</i>
	<i>MCA/C/538/B</i>	<i>Windows Programming using Visual Basic</i>	<i>50</i>	<i>2+1</i>
	<i>MCA/C/539</i>	<i>Minor Project and Seminar</i>	<i>150</i>	<i>2+4</i>
<i>VI</i>	<i>MCA/C/640</i>	<i>Major Projects & Viva voce</i>	<i>500</i>	<i>21+8</i>

1 Credit = 15 Learning Hours

Total Academic Credit of the Programme: 174

Total Marks of the Programme: 4000

NGA=Non Guided Assignment

CRT=Class Room Teaching