

# Master of Computer Applications (M.C.A.)

## Three-Year Programme

### Academic Curriculum (2009 – 10 onwards)

#### First Year

Autumn Semester	Course Code	Course Title	Contact Hours per Week			Credits	ETE Duration	Weightage (%)		
			L	T	P		Hours	CW*	MTE**	ETE
	CA 501	Information Technology	3	0	0	3	3	10	40	50
	CA 503	Programming Languages	3	1	0	4	3	10	40	50
	CA 505	Computer Organization and Architecture	3	0	0	3	3	10	40	50
	MT 501	Management Accounting	2	0	0	2	2	10	40	50
	MT 503	Principles of Management	2	0	0	2	2	10	40	50
	MA 501	Numerical Computation	3	1	0	4	3	10	40	50
	MA 503	Discrete Mathematics and Probability Theory	3	1	0	4	3	10	40	50
	CA 521	Programming Laboratory	0	0	4	2	4	20	40	40
	<b>Sub Total</b>		<b>19</b>	<b>3</b>	<b>4</b>	<b>24</b>				
	GE 103	Proficiency (Non Credit) †	-	-	-	1				

Spring Semester	Course Code	Course Title	Contact Hours per Week			Credits	ETE Duration	Weightage (%)		
			L	T	P		Hours	CW*	MTE**	ETE
	CA 502	System Analysis and Design	3	0	0	3	3	10	40	50
	CA 504	Operating Systems	3	0	0	3	3	10	40	50
	CA 506	Data Structures	3	1	0	4	3	10	40	50
	CA 508	Theory of Computation	3	1	0	4	3	10	40	50
	EC 501	Microprocessors and Their Interfacing	3	1	0	4	3	10	40	50
	CA 522	Operating Systems Laboratory	0	0	3	1.5	3	20	40	40
	CA 524	Data Structures Laboratory	0	0	3	1.5	3	20	40	40
	CA 526	Microprocessor Laboratory	0	0	2	1	2	20	40	40
	<b>Sub Total</b>		<b>15</b>	<b>3</b>	<b>8</b>	<b>22</b>				
	GE 104	Proficiency (Non Credit) †	-	-	-	1				