

Jaypee University, Anoopshahr

Master of Computer Applications (MCA)

Course Curriculum

(Applicable to batches admitted in 2024)



Faculty of Engineering and Technology
July 2024

MCA -2024-26 Batch

As per UGC NCrF April 2023 and updated UGC Guidelines
June 2024

MCA -2024-26 Batch

First Semester								Course Type univ.
		Course		Contact Hours				
Sr. No	Category	Code	Name	L	T	P	Total	Credit
1	Core	24M11CA117	Desktop Application Development with Python	3	0	0	3	3
2	Core	24M11CA118	Database Management Systems	3	0	0	3	3
3	Core	24M11MA115	Computational Business Statistics	2	0	0	2	2
4	Core	24M11CA114	Discrete Structures	3	0	0	3	3
5	Core	24M11CA115	Computer Organisation and Architecture	3	0	0	3	3
6	Core	24M11BA118	Professional Communication-I	3	0	0	3	3
7	Core	24M17CA177	Desktop Application Development Lab	0	0	4	4	2
8	Core	24M17CA178	Database Management Systems Lab	0	0	2	2	1
9	Core	24M17MA175	Business Statistics Lab	0	0	2	2	1
Total							25	21

Second Semester								Course Type Univ
		Course		Contact Hours				
Sr.No	Category	Code	Name	L	T	P	Total	Credit
1	Core	24M11CA211	Object Oriented Programming with Java	2	0	0	2	2
2	Core	24M11CA212	Data Structures and Algorithms	3	0	0	3	3
3	Core	24M11CA213	Machine Learning	3	0	0	3	3
4	Core	24M11CA214	Operating Systems	2	0	0	2	2
5	Core	24M11CA215	Web and Mobile Application Development	3	0	0	3	3
6	Core	24M11BA217	Professional Communication-II	3	0	0	3	3
7	Core	24M17CA281	Object Oriented Programming Lab	0	0	2	2	1
8	Core	24M17CA282	Data Structures and Algorithms Lab	0	0	2	2	1
9	Core	24M17CA283	Machine Learning Lab	0	0	2	2	1
10	Core	24M17CA284	Operating Systems Lab	0	0	2	2	1
11	Core	24M17CA285	Web and Mobile Application Development Lab	0	0	4	4	2

			Total				28	22	
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Third Semester									
		Course		Contact Hours					Course Type Univ.
Sr.No	Category	Code	Name	L	T	P	Total	Credit	
1	Core	24M11CA311	Computer Networks and IOT	3	0	0	3	3	Core
2	Core	24M11CA312	Software Engineering	2	0	0	2	2	Core
3	Core	24M11CA313	Full Stack Development	3	0	0	3	3	Core
4	Elective	XXX	Elective-I	3	0	0	3	3	Elective
5	Elective	XXX	Elective-II	3	0	0	3	3	Elective
6	Elective	XXX	Elective-III	3	0	0	3	3	Elective
7	Core	24M19CA391	Minor Project	0	0	0	0	2	Core
8	Core	24M17CA382	Computer Networks and IOT Lab	0	0	2	2	1	Core
9	Core	24M17CA383	Full Stack Development Lab	0	0	2	2	1	Core
			Total				21	21	

Fourth Semester									
		Course		Contact Hours					Course Type Univ.
Sr.No	Category	Code	Name	L	T	P	Total	Credit	
1	Core	24M11BA412	Entrepreneurship and Innovation	3	0	0	3	3	Core
2	Elective	XXX	Elective-IV	3	0	0	3	3	Elective
3	Elective	XXX	Elective-V	3	0	0	3	3	Elective
4	Core	24M19CA491	Project	0	0	20	20	10	Core
			Total				29	19	

Total Credit -83 + Summer Internship (24M19CA291)-6 = 89