

ADAMAS UNIVERSITY MCA COURSE

ADAMAS UNIVERSITY SCHOOL OF ENGINEERING & TECHNOLOGY PG PROGRAM: Master of Computer Application (MCA) SEMESTER I								
Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory	CSE21901	Computer Programming with Python	3	0	0	3	3
2	Theory	MTH2120 1	Numerical & Statistical Methods	3	0	0	3	3
3	Theory	CSE21902	Computer Organization & Architecture	3	0	0	3	3
4	Theory	CSE21903	Software Engineering	3	0	0	3	3
5	Theory	ENG21112	HSSM- I (English Communication)	3	0	0	3	2
6	Theory	CSE21904	Data Structures with Python	3	0	0	3	3
7	Practical	CSE22905	Computer Programming with Python Lab.	0	0	3	3	2
8	Practical	MTH2220 1	Numerical & Statistical Methods Lab.	0	0	3	3	2
9	Practical	CSE22906	Computer Organization & Architecture Lab.	0	0	3	3	2
10	Practical	CSE22907	Data Structures with Python Lab	0	0	3	3	2
Total				18	0	12	30	25

ADAMAS UNIVERSITY SCHOOL OF ENGINEERING & TECHNOLOGY PG PROGRAM: Master of Computer Application (MCA) SEMESTER II								
Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory	CSE21908	Mobile Applications using Android/IOS	3	0	0	3	3
2	Theory	CSE21909	Object Oriented Programming with Java	3	0	0	3	3
3	Theory	CSE21910	Operating System	3	0	0	3	3
4	Theory	CSE21911	Database Management System	3	0	0	3	3
5	Theory	MTH2151 9	Discrete Mathematics	3	0	0	3	3
6	Practical	CSE22912	Mobile Applications using Android/IOS Lab	0	0	3	3	2
7	Practical	CSE22913	Object Oriented Programming with Java Lab	0	0	3	3	2
8	Practical	CSE22914	Operating System Lab	0	0	3	3	2
9	Practical	CSE22915	Database Management System Lab	0	0	3	3	2

Total	15	0	12	27	23
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Total Credits (First Year): 48

ADAMAS UNIVERSITY SCHOOL OF ENGINEERING & TECHNOLOGY PG PROGRAM: Master of Computer Application (MCA) SEMESTER III								
Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory	CSE21916	Web Technology	3	0	0	3	3
2	Theory	ECE21601	Data Communication & Computer Network	3	0	0	3	3
3	Theory	CSE21917	Cyber Security	3	0	0	3	3
4	Theory	ENG21113	HSSM –III	3	0	0	3	2
5	Theory		Elective Course – I	3	0	0	3	3
6	Theory		Elective Course – II	3	0	0	3	3
7	Practical	CSE22923	Web Technology Lab	0	0	3	3	2
8	Practical	CSE22924	Cyber Security Lab	0	0	3	3	2
9	Practical		Elective Course – I Lab	0	0	3	3	2
10	Project	CSE24927	Project -I	0	0	3	3	2
Total				18	0	12	30	25

From a list of departmental electives:

Elective Course – I

1. Artificial Intelligence and Machine Learning (CSE21918)
2. Fundamentals of Cloud Computing (CSE21919)

Elective Course – II

1. Natural Language Processing and Its Application (CSE21920)
2. Cloud Storage (CSE21921)
3. Data Warehousing & Data Analytics (CSE21922)

Elective Course – I Lab

1. Artificial Intelligence and Machine Learning Lab using Tensor flow (CSE22925)
2. Fundamentals of Cloud Computing Lab (CSE22926)

ADAMAS UNIVERSITY SCHOOL OF ENGINEERING & TECHNOLOGY PG PROGRAM: Master of Computer Application (MCA) SEMESTER IV								
Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		Elective Course – III	3	0	0	3	3
2	Theory	OBH21404	HSS-VI (Basics of Organizational Behaviors)	3	0	0	3	3
3	Theory	OLS21401	Project Management	3	0	0	3	3
4	Practical		Elective Course – III Lab	0	0	3	3	2
5	Seminar	CSE25932	Seminar	0	2	0	2	2
6	Project	CSE24933	Project -II	0	0	6	6	4
Total				9	2	9	20	17

From a list of departmental electives:

Elective Course – III

1. **Game Design** (CSE21928)
2. **Public Blockchain- Ethereum** (CSE21929)

Elective Course – III Lab

1. **Game Design Lab** using CONSTRUCT (CSE22930)
3. **Public Blockchain- Ethereum Lab** (CSE22931)

Total Credits (Second Year): 42

Total Credits (over two years): $48 + 42 = 90$