Course Name: Master of Computer Application (MCA) with Specialization in Banking, Financial Services and Insurance

ADAMAS UNIVERSITY
SCHOOL OF ENGINEERING & TECHNOLOGY
PG PROGRAM: Master of Computer Application (MCA)
In Banking, Financial Services and Insurance
SEMESTER I

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		Computer Programming with Python	3	0	0	3	3
2	Theory	SMA51141	Numerical & Statistical Methods	3	0	0	3	3
3	Theory	ECS51103	Computer Organization & Architecture	3	0	0	3	3
4	Theory		Software Engineering	3	0	0	3	3
5	Theory		HSS– I (English Communication)	3	0	0	3	2
6	Theory		Mobile Applications using Android/IoS	3	0	0	3	3
7	Practical		Computer Programming with Python Lab	0	0	3	3	2
8	Practical	SMA51241	Numerical & Statistical Methods Lab	0	0	3	3	2
9	Practical		Computer Organization & Architecture Lab	0	0	3	3	2
10	Practical		Mobile Applications using Android/IoS Lab	0	0	3	3	2
Total				**18**	**0**	**12**	**30**	**25**

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Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		Data Structures with Python	3	0	0	3	3
2	Theory		Object Oriented Programming with Java	3	0	0	3	3
3	Theory	ECS51106	Operating System	3	0	0	3	3
4	Theory	ECS51108	Database Management System	3	0	0	3	3
5	Theory		Data Warehousing & Data Analytics	3	0	0	3	3
6	Practical		Data Structures with PythonLab.	0	0	3	3	2
7	Practical	ECS51208	Database Management System Lab	0	0	3	3	2

8	Practical		Object Oriented Programming with Java Lab	0	0	3	3	2
9	Practical	ECS51206	Operating System **Lab**	0	0	3	3	2
			Total	**15**	**0**	**12**	**27**	**23**

Total Credits (First Year): 48

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SEMESTER III

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		Web Technology	3	0	0	3	3
2	Theory	EEC52101	Data Communication & Computer Network	3	0	0	3	3
3	Theory		Cyber Security	3	0	0	3	3
4	Theory		Introduction to Banking Management (Specialized course I)	3	0	0	3	3
5	Theory		Universal Banking (Specialized course II)	3	0	0	3	3
6	Practical		Cyber Security Lab	0	0	3	3	2
7	Practical		Web Technology Lab	0	0	3	3	2
8	Practical		FLEX CUBE Universal Banking Lab (Specialized Lab course I)	0	0	3	3	2
9			Project - I	0	0	3	3	2
			Total	**15**	**0**	**12**	**27**	**23**

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SEMESTER IV

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		Cyber Security in Banking (Specialized course III)	3	0	0	3	3
2	Theory		Insurance Management (Specialized course IV)	3	0	0	3	3
3	Practical		Advanced Universal Banking with Finacle (Specialized Lab course II)	0	0	3	3	2
4	Seminar		Seminar	0	2	0	2	2
5	Project		Project-II	0	0	6	6	4
			Total	**6**	**2**	**9**	**17**	**14**

Total Credits (Second Year): 37

Total Credits (over two years): 85