



ADAMAS UNIVERSITY
SCHOOL OF ENGINEERING & TECHNOLOGY
DEPARTMENT OF COMPUTER SCIENCE AND
ENGINEERING

Bachelor of Computer Application
(BCA)

Course Structure

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SCHOOL OF ENGINEERING & TECHNOLOGY
UG PROGRAM: Bachelor of Computer Application (BCA)

SEMESTER I

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory	SMA31141	Mathematics-I	3	1	0	4	4
2	Theory		Introduction to Programming	3	0	0	3	3
3	Theory		English Communication	3	0	0	3	3
4	Theory		Computer Fundamentals	3	0	0	3	3
5	Theory	SGY31111	Environmental Science	3	0	0	3	3
6	Practical		Programming Lab.	0	0	3	3	2
Total				15	1	3	19	18

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SEMESTER II

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory	SMA31142	Mathematics-II	3	1	0	4	4
2	Theory		Programming & Data Structures	3	0	0	3	3
3	Theory	EEC31102	Digital Electronics	3	0	0	3	3
4	Theory		Design of Logic Circuits	3	0	0	3	3
5	Theory		Web Designing	3	0	0	3	3
6	Practical		Data Structures Lab.	0	0	3	3	2
7	Practical		Digital Electronics Lab.	0	0	3	3	2
8	Practical		Web Designing Lab.	0	0	3	3	2
Total				15	1	9	25	22

Total Credits (First Year): 40

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SEMESTER III

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		Object Oriented Programming with JAVA	3	0	0	3	3
2	Theory		Programming in Python	3	0	0	3	3
3	Theory		Computer Organization & Architecture	3	0	0	3	3
4	Theory		Database Management System	3	0	0	3	3
5	Practical		Object Oriented Programming Lab.	0	0	3	3	2
6	Practical		Python Programming Lab.	0	0	3	3	2
7	Practical		Computer Organization Lab.	0	0	3	3	2
8	Practical		Database Management System Lab	0	0	3	3	2
Total				12	0	12	24	20

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SEMESTER IV

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		Data Communication & Computer Network	3	0	0	3	3
2	Theory		Algorithm Design	3	0	0	3	3
3	Theory		Operating System	3	0	0	3	3
4	Theory		Introduction to Computer Graphics	3	0	0	3	3
5	Practical		Computer Network Lab.	0	0	3	3	2
6	Practical		Algorithm Design Lab.	0	0	3	3	2
7	Practical		Operating System Lab.	0	0	3	3	2
8	Practical		Computer Graphics Lab.	0	0	3	3	2
Total				12	0	12	24	20

Total Credits (Second Year): 20

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SEMESTER V

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory	HEC43181	Financial Accounting	3	0	0	3	3
2	Theory	MBA33141	Management Information System	3	0	0	3	3
3	Theory		Artificial Intelligence	3	0	0	3	3
4	Theory		Software Engineering	3	0	0	3	3
5	Theory		Business Communication	3	0	0	3	3
6	Practical		Artificial Intelligence Lab.	0	0	3	3	2
7	Practical		Software Engineering Lab.	0	0	3	3	2
8	Project	ECS33401	Project-I	-	-	-	-	4
Total				15	0	06	21	23

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SEMESTER VI

Sl. No	Type of Course	Course Code	Course Title	L	T	P	Contact Hrs./Wk.	Credits
1	Theory		E-commerce & Applications	3	0	0	3	3
2	Theory		Cyber Security	3	0	0	3	3
3	Viva	ECS33502	Comprehensive Viva Voce	-	-	-	-	3
4	Project	ECS33402	Project-II	-	-	-	-	8
Total				06	0	0	06	17

Total Credits (Third Year): 40

Total Credits (Over Three Years): 120