

ASSAM DON BOSCO UNIVERSITY
DETAIL SYLLABUS
PROGRAMME: BACHELOR OF COMPUTER APPLICATIONS (BCA)

Semester	SL No	Course Code	Course Name	Credit
FIRST SEMESTER	1	CACL100T	Computer Programming in C Language (Theory)	2
		CACL101L	Computer Programming in C Language (Lab)	2
	2	CALE104T	Cyber Law and Ethics	4
	3	CACF106L	Computer Fundamentals	3
	4	MTFB107T	Fundamentals of Business, Management & Economics	3
	5	CBES101T	Environmental Studies	2
	6	CACE109T	Service Learning	2
	7	AECH100T	Business Communication	2
	TOTAL CREDIT			20
SECOND SEMESTER	1	CADS102T	Data Structures Using C (Theory)	3
		CADS103L	Data Structures Using C (Lab)	1
	2	CAET105T	E-commerce Technologies	4
	3	CAHS107L	Hardware and Server Maintenance	3
	4	AECE100T	Communicative English I	2
	5	MTIE108T	Indian Economy	3
	6	CBDT103T	Digital and Technological Solutions	1
	7	CBUI104T	Understanding India	1
	8	CESL102P	Service-Learning Practice	2
	TOTAL CREDIT			20
Semester	Category	Course Code	Course Name	Credit
THIRD SEMESTER	1	CAIJT200T	Introduction to Java Programming (Theory)	3

		CAIJ201L	Introduction to Java Programming (Lab)	1
	2	CALD202T	Digital Logic Design (Theory)	3
		CALD203L	Digital Logic Design (Lab)	1
	3	CAER210T	Enterprise Resource Planning	4
	4	CAMG214L	Multimedia and Graphics	3
	5	CESL103P	Service-Learning Practice	2
	6	MTEI109T	Emotional Intelligence	3
				20
FOUR TH SEME STER	1	CAOS204T	Operating System (Theory)	3
		CAOS205L	Operating System (Lab)	2
	2	CACA206T	Computer Organization and Architecture (Theory)	3
		CACA207L	Computer Organization and Architecture (Lab)	2
	3	CARD208T	Relational Database Management Systems (Theory)	3
		CARD209L	Relational Database Management Systems (Lab)	1
	4	CAWD211T	Basics of Web Designing (Theory)	3
		CAWR212L	Basics of Web Designing (Lab)	1
	5	AECE201T	Communicative English II	2
			TOTAL CREDIT	20
Semester	Categ ory	Course Code	Course Name	Credit
FIFTH SEME STER	1	CACN300T	Computer Network Fundamentals (Theory)	3
		CACN301L	Computer Network Fundamentals (Lab)	2
	2	CAWT302T	Web Technologies (Theory)	3
		CAWT303L	Web Technologies (Lab)	2
	3	CASE304T	Software Engineering (Theory)	3
		CASE305L	Software Engineering (Lab)	1
	4	CAPT310T	Basics of Python (Theory)	2
		CAPT311L	Basics of Python (Lab)	2
	5	CAIN314I	Internship	2
			TOTAL CREDIT	20
SIXTH SEME STER	1	CACC306T	Cloud Computing	4
	2	CAAD307T	Android Application Development Fundamentals	4

	3	CANS308T	Network Security	4
	4	CAPW309P	Minor Project	4
	5	CABS312T	Business Statistics	4
	TOTAL CREDIT			20
	Grand Total Credit			120