

BCA Program Structure

SI No	Sem	Subject Code	Subject Name	Type (PP+PR+TUT)	Credits
1	Sem-1	CUTM1896	Fundamentals of Computer	3+2+1	6
2		CUTM1879	OOPs with C ++ Programming	2+3+1	6
3			Environmental Science		4
4			Generic Elective1		6
5	Sem-2	CUTM1895	Office Automation	3+2+1	6
6		CUTM1882	Data Structures using C++	2+3+1	6
7			Job Readiness		6
8			Generic Elective2		6
9	Sem-3	CUTM2635	Java Programming	3+2+1	6
10		CUTM1897	Computer System Architecture	3+2+1	6
11		CUTM1904	Database Management Systems	4+2+0	6
12			Generic Elective3		6
13			Skill course1		4
14	Sem-4	CUTM1898	Programming in Python	3+2+1	6
15		CUTM1884	Operating System Concepts	2+2+2	6
16		CUTM1902	Introduction To Software Engineering	3+2+1	6
17			Generic Elective4		6
18			Skill course2		4
19	Sem-5	CUTM1900	Computer Communication and Networking	3+2+1	6
20		CUTM1899	Fundamentals of Algorithm Design and Analysis	3+2+1	6
21			Domain course		12
22	Sem-6	CUTM1901	Internet and Web Technology	3+2+1	6
23		CUTM1903	Dot Net Technology	3+2+1	6
24			Domain course		12

Skill Courses			
Code	Skill Courses	Type	Credit
	Data analysis through Microsoft Excel		2
	Data analysis with python		4
	Desktop Publishing		4
	Digital Painting		4
	Data analysis with Tableau		3
	Business analytics through Excel		3
	Data Analysis and Visualization Using Python		4

Generic Electives			
Code	Generic Electives	Type	Credit
	Fundamentals of Management		4
	Principles of Marketing		6
	Human Resource Management		6
	Statistics for Business Decisions		6
	Business Mathematics		6
	Organisational Behaviour		4
	Linear Algebra		6
	Discrete Mathematical Structure		6

Domain Courses			
Domain: Data Science and Machine Learning			
MLON2010	ML for Predictive Analysis	4	0+2+2
MLON2011	ML for Image Analytics	4	0+2+2
MLON2007	Digital video Processing	3	0+2+1
MLON2009	Mathematics for ML	3	2+1+0
MLON2008	IoT Analytics	4	0+2+2
MLON2005	Internship	4	0+0+4
MLON2006	Project	4	0+0+4

Domain: Software Technology			
CUST2010	Web Services Using JAVA	5	0+4+1
CUST2011	Advanced JAVA Programming	4	0+3+1
CUST2012	Web Programming Using React	3	0+2+1
CUST2013	Product Development	8	0+0+8

	Domain: Cloud Technologies		
		6	(2-4-0)
CUCT2030	AWS Solution Architect (SAA-CO2).	6	(2-4-0)
CUCT2031	AWS Developer (DVA-CO1)	6	(0-0-6)
CUCT2032	Project		

	Domain: Gaming and Immersive Learning (AR-VR)		
CUAR2060	Introduction to Gaming & Simulation	2	(1 + 1 + 0)
CUAR2061	Game Assets & Game Objects	3	(1 + 1 + 1)
CUAR2062	Building Game Environment	3	(1 + 1 + 1)
CUAR2063	Game Animation, Scripting & UI	3	(1 + 1 + 1)
CUAR2064	Binary Deployment and Cross-Platform Controls	3	(1 + 1 + 1)
CUAR2065	Project	6	(0 + 0 + 6)