

Program name	Eligibility Criteria of the programme, if any	Semester	Course name	Course code	credits	Credit distribution of the course			Pre-requisite	Theory marks		Practical Marks	Total Marks	Remarks
						L	T	P		Internal	External			
FYUGP in Computer Science Major-Minor	H.S (Science) with Mathematics as a subject securing the minimum pass mark	I	Computer Fundamentals and Programming	COM010104	4	3	0	1	No	30	45	25	100	<b>Compulsory</b>
		II	Computer Organization	COM020104	4	4	0	0	No	40	60	0	100	<b>Compulsory</b>
		III	Object Oriented Programming using C++	COM030104	4	3	0	1	No	30	45	25	100	<b>Compulsory</b>
		IV	Data Structure	COM040104	4	3	0	1	No	30	45	25	100	Elective I
			Database Management System	COM040204	4	3	0	1	No	30	45	25	100	<b>Compulsory</b>
			Mathematical Foundation of Computer Science	COM040304	4	4	0	0	No	40	60	0	100	Elective III
			Operating System	COM040404	4	3	0	1	No	30	45	25	100	Elective I
		V	Computer Networks	COM050104	4	3	0	1	No	30	45	25	100	Elective I

			PythonProgramming	COM050304	4	3	0	1	No	30	45	25	100	<b>Compulsory</b>
			Java Programming	COM050204	4	3	0	1	No	30	45	25	100	ElectiveI
			SoftwareEngineering	COM050404	4	4	0	0	No	40	60	0	100	
			Web Technologies	COM050504	4	3	0	1	No	30	45	25	100	<b>Compulsory</b>
		VI	AutomataTheory and Languages	COM060104	4	4	0	0	No	40	60	0	100	<b>Compulsory</b>
			Cloud Computing	COM060204	4	4	0	0	No	40	60	0	100	ElectiveIII
			Compiler Design	COM060304	4	4	0	0	No	40	60	0	100	
			Artificial Intelligence	COM060404	4	3	0	1	No	30	45	25	100	ElectiveII
			ComputerGraphics	COM060504	4	3	0	1	No	30	45	25	100	
			DataMiningand Warehousing	COM060604	4	3	0	1	No	30	45	25	100	
			Design and Analysis of Algorithms	COM060704	4	4	0	0	No	40	60	0	100	Elective I
			Graph Theory	COM060804	4	4	0	0	No	40	60	0	100	

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SEC		II	Basic Programming in C++	SEC 02 007 03	3	2	0	1	No	20	30	25	75	