

B Sc COMPUTER SCIENCE
(Three Years Regular Programme)
(For those who joined since 2021-22)

PROGRAM SPECIFIC OUTCOMES:

PSO 1: Providing thorough ground in the basics of a subject effectively for developing commercial and scientific applications

PSO 2: Produce globally-competitive graduates with appropriate computing skills

PSO 3: Prepare students for career/higher studies in Computer Science

PROGRAMME STRUCTURE

Sem	Part	Subject Code	Course	Subject Title	Hrs / wk	Credit	CIA Marks	ESE Marks	Total Marks	
I	I	HBLT11/ HBLA11/ HBLIA11/ HBLH11	Language I	Tamil I/ Basic Arabic I/ Intermediate Arabic I/ Hindi I	6	6	40	60	100	
	II	HBLF12 / HBLG12	Language II	Functional English I / General English I	6	6	40	60	100	
	III		HBCSC11	Core I	Fundamentals of Computers	5	4	40	60	100
			HBCSC12P	Core II	Office Automation Lab	5	4	40	60	100
			HBCSA13	First Allied I	Digital Electronics	4	3	40	60	100
			HBCSA14P	First Allied II	Digital Electronics Lab	2	2	40	60	100
	IV	HBCSE15P	Skill Based Elective	Multimedia Lab - I (Photoshop)	2	2	-	50	50	
Total					30	27	240	410	650	
II	I	HBLT21/ HBLA21/ HBLIA21/ HBLH21	Language I	Tamil II/ Basic Arabic II/ Intermediate Arabic II/ Hindi II	6	6	40	60	100	
	II	HBLF22 / HBLG22	Language II	Functional English II / General English II	6	6	40	60	100	
	III		HBCSC21	Core III	Programming in C	4	3	40	60	100
			HBCSC22P	Core IV	Programming in C Lab	4	3	40	60	100
			HBCSA23	First Allied III	Microprocessor	4	3	40	60	100

		HBCSA24P	First Allied IV	Microprocessor Lab	2	2	40	60	100
	IV	HBCSE25P	Skill Based Elective	Multimedia Lab - II (Flash)	2	2	-	50	50
		HBES2	General Interest Course I	Environmental Studies	2	2	-	50	50
		HBCSX2O	Extra Credit	*Online Certification	-	2	-	-	-
Total					30	27+2	240	460	700
III	III	HBCSC31	Core V	Programming in C++	6	4	40	60	100
		HBCSC32P	Core VI	Programming in C++ Lab	6	4	40	60	100
		HBCSA33	Second Allied I	Mathematical Foundation for Computer Science	6	5	40	60	100
	IV	HBCSE34P	Skill Based Elective	Web Designing Lab – I (HTML)	3	2	-	50	50
			Non-Major Elective		4	2	-	50	50
		HBHR3	General Interest Course II	Human Rights	3	2	-	50	50
	V	HBXTN3	Extension Activities	NSS / CSS	2	2	100	-	100
	-	HBCSX3P HBCSX3O	Extra Credit	Linux and Shell Programming Lab / *Online Certification	-	2	-	100 / -	100
Total					30	21+2	220	330 + 100	550 + 100
IV	III	HBCSC41	Core VII	Operating System	5	4	40	60	100
		HBCSC42	Core VIII	Data Structures And Algorithms	5	4	40	60	100
		HBCSC43P	Core IX	Visual Programming Lab	5	4	40	60	100
		HBCSA44	Second Allied II	Operations Research	6	5	40	60	100
	IV	HBCSE45P	Skill Based Elective	Web Designing Lab – II (Scripting Language)	3	2	-	50	50

		HBEV4	General Interest Course III	Values and Ethics	2	2	-	50	50
			Non-Major Elective		4	2	-	50	50
	-	HBCSX4P / HBCSX4O	Extra Credit	Data Structures Lab / *Online Certification	-	2	-	100	100
Total					30	23+2	160	390 + 100	550 + 100
V	III	HBCSC51	Core X	Programming in Java	4	3	40	60	100
		HBCSC52P	Core XI	Programming in Java Lab	5	4	40	60	100
		HBCSC53	Core XII	RDBMS	4	3	40	60	100
		HBCSE5A	Elective I	a. Web Technology	5	5	40	60	100
		HBCSE5B		b. Cloud Computing			40 (T-20 P-20)		
		HBCSE5C / HBCSE5D	Elective II	a. Software Development Framework / b. PHP	5	5	40 (T-20 P-20)	60	100
	IV	HBCSE54P	Skill Based Elective	RDBMS Lab	3	2	-	50	50
		HBWS5	General Interest Course IV	Women Studies	3	2	-	50	50
	-	HBCSX5O	Extra Credit	*Online Certification	-	2	-	-	-
				Library/Browsing	1	-	-	-	-
Total					30	24+2	200	400	600
VI	III	HBCSC61	Core XIII	Software Engineering	5	4	40	60	100
		HBCSC62	Core XIV	Computer Networks	5	4	40	60	100
		HBCSC63	Core XV	Open Technology	5	4	40	60	100
		HBCSC64PW	Core XVI	Project	6	4	40	60	100
		HBCSE6A / HBCSE6B	Elective III	a. Mobile Application Development / b. Compiler Design	5	5	40 (T-20 P-20)	60	100
	IV	HBCSE65P	Skill Based Elective	Open Technology Lab	2	2	-	50	50

	-	HBS6D6	Extra Credit	Skills for Employability Development	-	2	100	-	100
				Library/Browsing	2	-	-	-	-
Total					30	23+2	200 + 100	350	550 + 100
Grand Total					180	145+ 10	1260 + 100	2340 + 200	3600 + 300

*For Online certification, credit alone will be assigned on submission of certificate obtained by appearing for online examination from EdX, Spoken Tutorial, NPTEL or Coursera etc approved by the Department