## B.Sc. Mathematics, SFS Curriculum (Choice Based Credit System)

		Semester I				
Component		Course		ks	Hours	Credits
-			ICA	ESE		
Part I		Language I	50	50	4	3
Part II		English I	50	50	4	3
Part III	Major	Algebra and Trigonometry	50	50	5	4
	wajor	Calculus	50	50	5	4
	Allied I	Physics I	50	50	6	5
Part IV	(a)	Basic Tamil I / Advanced Tamil I / General Course I	50	50	4	2
	(d)	Value Education	50	50	2	1
		Total			30	22
		Semester II				
		Semester II				
Comp	onent	Course	Mar	ks	Hours	Credits
Comp	onent	Course	Mar ICA	ks ESE	Hours	Credits
<b>Comp</b> Part I	onent	Course Language II	Mar ICA 50	<b>ks</b> <b>ESE</b> 50	Hours 4	Credits 3
Comp Part I Part II	onent	Course Language II English II	Mar ICA 50 50	ks ESE 50 50	Hours 4 4	Credits 3 3
Comp Part I Part II	onent	Course         Language II         English II         Differential Equations and Laplace Transforms	Mar ICA 50 50 50	ks ESE 50 50 50	<b>Hours</b> 4 4 5	Credits 3 3 4
Comp Part I Part II Part III	Major	Course         Language II         English II         Differential Equations and Laplace Transforms         Differential Geometry and Analytical Geometry of 3 - Dimensions	Mar ICA 50 50 50 50	ks ESE 50 50 50 50	Hours 4 4 5 5 5	<b>Credits</b> 3 3 4 4
Comp Part I Part II Part III	Major -	Course         Language II         English II         Differential Equations and Laplace Transforms         Differential Geometry and Analytical Geometry of 3 - Dimensions         Physics II	Mar ICA 50 50 50 50 50	ks ESE 50 50 50 50 50	Hours 4 4 5 5 5 6	<b>Credits</b> 3 3 4 4 5
Comp Part I Part II Part III Part IV	Major Allied I (a)	Semester II         Course         Language II         English II         Differential Equations and Laplace Transforms         Differential Geometry and Analytical Geometry of 3 - Dimensions         Physics II         Basic Tamil II /Advanced Tamil II /General Course II	Mar ICA 50 50 50 50 50 50	ks ESE 50 50 50 50 50 50	Hours 4 4 5 5 5 6 4	Credits 3 3 4 4 5 2
Comp Part I Part II Part III Part IV	Major Allied I (a) (d)	Semester II         Course         Language II         English II         Differential Equations and Laplace Transforms         Differential Geometry and Analytical Geometry of 3 - Dimensions         Physics II         Basic Tamil II /Advanced Tamil II /General Course II         Value Education	Mar ICA 50 50 50 50 50 50 50	ks ESE 50 50 50 50 50 50 50	Hours 4 4 5 5 5 6 4 2	Credits 3 3 4 4 5 2 1

(With effect from the Academic year 2021-22)

Semester III							
Component		Course		Marks		Hours	Credits
				ICA	ESE		
Part I		Language III		50	50	4	3
Part II		English III		50	50	4	3
Part III	Major	Abstract Algebra		50	50	5	4
		Vector Calculus and Fourier series		50	50	5	4
	Allied II	Mathematical Statistics with R - I		50	50	6	5
Part IV	(b) Skill- based	Personality Development		25	-	2	-
		Inter Disciplinary (Mathematics for Competitive Examinations)		50	50	4	3
		T	otal			30	22

		Semester IV				
Component		Course	Marks		Hours	Credits
			ICA	ESE		Cieuns
Part I		Language IV	50	50	4	3
Part II		English IV	50	50	4	3
Part III	Major	Linear Algebra	50	50	5	4
	Iviajui	Programming in C	50	50	5	4
	Allied I	Mathematical Statistics with R - II	50	50	6	5
Part IV	(b) Skil based	I- Personality Development	25	50	2	3
	(C)	Environmental Studies	50	50	4	2
		Total			30	24
		Semester V				
Component		Course	Marks		Hours	Credits
			ICA	ESE		
		Real Analysis -I	50	50	6	5
		Mechanics	50	50	6	5
Part III	Major	Introduction to Python	50	50	6	4
		Elective: Numerical Methods / Operations	50	50	6	4
	(b) Skill-	General Elective (Discrete Mathematics)	50	50	1	3
Part IV		Computer Training (LaTeX)	50	50	2	3
	based					
Total					30	24
		Semester VI	[			
Component		Course	Marks		Hours	Credits
			ICA	ESE		
	Major	Real Analysis -II	50	50	6	5
		Complex Analysis	50	50	6	5
Part III		Number Theory and Cryptography	50	50	6	5
i art in		Elective: Formal Languages and Graph	50	50	6	5
		Theory / Operations Research-II	50	50		
			50	50	6	5
		Total			30	25
Component		Extension Activities	Marks		Hours	Credits
Part V		NCC/NSS/Sports/Scrub Soc./ Dept. Assn. Activities			-	1
Grand Total				1		140