Course Outcomes (CO) for Bachelor of Science in Mathematics

CO1: Communication Skills: Ability to explain the development of mathematics in the civilization context and its role as queen of all sciences.

CO2: Critical thinking and analytical reasoning: Ability to analyze the results and apply them in various problems appearing in different branches of mathematics.

CO3: Problem solving: Capacity to solve problems like various ecological and radioactive models, linear programming problems, network flow problems in computer using various concepts of mathematics.

CO4: Research-related skill: To know about the advances in various branches of mathematics.

CO5: Information/digital literacy: Capacity to understand, use and apply appropriate software for mathematical investigations and problem solving.

CO6: Self-directed learning: Ability to work independently and do in-depth study of various notions of mathematics.

CO7: Moral and ethical awareness: Moral and ethical awareness and reasoning are imparted through the various courses.

CO8: Lifelong learning: Ability to think, acquire knowledge and skills through logical reasoning and to inculcate the habit of self-learning.

CO9: Experiential learning: hands on experience for problem solving and programming.

CO10: Disciplinary knowledge: Capability of demonstrating comprehensive knowledge of mathematics and understanding of one or more disciplines which form a part of an undergraduate programme of study.

Course Specific Outcomes (CSO)

CO ₁	CO ₂	CO ₃	CO ₄	CO ₅	CO6	CO ₇	CO8	CO9	CO10
	√		V			V			
		V				V			
V	√		V			V			
	V	V			V	V			
V	V	V				V			
V	V	V			V	V			
		V	V			V			
	V	V			V	V			
V		V	√			V	V		V
V		V				V	V		V
V	V	V				V	V		V
		V	V			V			
	√				V	V	V		
V		V	V	√		V	V		V
	√ √ √ √ √ √ √ √ √ √ √ √	√ √ √ √ √ √ √ √ √ √ √							

DSE-A1: Advance Algebra		V				V	V			
DSE-A2: Mathematical Modelling		V	V			V	√	V		
DSE-B1: Linear Programming & Game Theory	V	√	V			V		V		
DSE-B2: Point Set Topology				√			$\sqrt{}$			
SEC-A: C Programming Language			√		V	$\sqrt{}$		V	V	√
SEC-B: Scientific Computing and Sage Math	V		V	V	V			V	V	V