

## **PROGRAMME SPECIFIC OUTCOMES (PSO):**

At the end of the B.Sc. Mathematics Honours Programme at Calicut University, a student would:

<b>Programme Specific Outcome (Major)</b>	
<b>PSO1</b>	<b>Advanced Mathematical Knowledge: Understand core mathematical abstract concepts/theories and demonstrate a high level of mathematical rigor and logical reasoning</b>
<b>PSO2</b>	<b>Modelling and Problem-Solving Skills: Apply mathematical techniques to solve complex problem situations across various domains and interpret the result, demonstrating critical thinking and analytical skills.</b>
<b>PSO3</b>	<b>Computational Proficiency: Apply mathematical understanding to solve problems and explicitly work out step by step either by self or by software based computational tools.</b>
<b>PSO4</b>	<b>Research Aptitude: Analyse mathematical abstract ideas effectively and present/communicate mathematical arguments and solutions in a clear and coherent manner leading to research in Mathematics</b>
<b>Programme Specific Outcome (Minor)</b>	
<b>PSO5</b>	<b>Mathematics Proficiency: Demonstrate a strong understanding of mathematical principles and problem solving</b>
<b>PSO6</b>	<b>Interdisciplinary Integration: Integrate Mathematics with relevant disciplines to develop more holistic approaches to solve problems, leading to innovative solutions and advancements in various fields.</b>