



**CALICUT UNIVERSITY – FOUR-YEAR UNDER
GRADUATE PROGRAMME (CU-FYUGP)**

PROGRAMME OUTCOMES (PO):

At the end of the graduate program at Calicut University, a student would:

PO 1	<p>Knowledge Acquisition: Demonstrate a profound understanding of knowledge trends and their impact on the chosen discipline of study.</p>
PO 2	<p>Communication, Collaboration, Inclusiveness, and Leadership: Become a team player who drives positive change through effective communication, collaborative acumen, transformative leadership, and a dedication to inclusivity.</p>
PO 3	<p>Professional Skills: Demonstrate professional skills to navigate diverse career paths with confidence and adaptability.</p>
PO 4	<p>Digital Intelligence: Demonstrate proficiency in varied digital and technological tools to understand and interact with the digital world, thus effectively processing complex information.</p>
PO 5	<p>Scientific Awareness and Critical Thinking: Emerge as an innovative problem-solver and impactful mediator, applying scientific understanding and critical thinking to address challenges and advance sustainable solutions.</p>
PO 6	<p>Human Values, Professional Ethics, and Societal and Environmental Responsibility: Become a responsible leader, characterized by an unwavering commitment to human values, ethical conduct, and a fervent dedication to the well-being of society and the environment.</p>
PO 7	<p>Research, Innovation, and Entrepreneurship: Emerge as a researcher and entrepreneurial leader, forging collaborative partnerships with industry, academia, and communities to contribute enduring solutions for local, regional, and global development.</p>



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PROGRAMME SPECIFIC OUTCOMES (PSO): BSc Physics

At the end of the BSc Physics program at Calicut University, a student would:

PSO 1	Understand concepts and applications in the field of Physics viz. Mechanics, Electrodynamics, Thermodynamics, Optics, Quantum Mechanics, Electronics etc.
PSO 2	Develop the skills for experimentation to measure, analyse and interpret empirical data, and present the results in a methodical and accessible way.
PSO 3	Evaluate complex real-world problems by applying principles of theoretical and applied physics, and mathematical and computational models.
PSO 4	Design and execute a Project to solve real-world problems in accordance to the need of the industry and academic research, in a stipulated time frame.
PSO 5	Develop understanding of the fundamental concepts of Physics needed for a deeper study of related fields of knowledge viz. Mathematics, Chemistry, Electronics, Computer Science, Geology etc.
PSO 6	Develop the experimental and analytical skills in Physics that can be of useful applications in allied areas of knowledge.