

Department of Physics
Union Christian College Aluva
Program outcome and Program specific outcome

On completion of PG programme, the student is expected to achieve the following programme outcomes.

PO1	Domain Knowledge	Construct deeper knowledge and expertise in specialized fields and integrate knowledge across subject areas.
PO2	Creative and Interdisciplinary Thinking	Develop a passion for experimenting, critically appraise and engage with others perspectives, enhance interdisciplinary thinking skills to formulate creative solutions to real life problems
PO3	Communication and Competency	Communicate effectively, critically assess and review ideas and present new perspectives in seminar and project presentations.
PO4	Research skills & Ethical practices	Acquire research skills in concerned subjects and allied fields, apply domain specific ethical principles and practices in academic professional and social engagements.
PO5	Leadership Skills	Demonstrate democratic values, commitment to social service, employ effective team building and management strategies, work constructively and lead diverse teams, develop strategic thinking with people skills.
PO6	Career readiness and higher education	Choose from diverse career options available in local, national and international realms, pursue higher education in multidisciplinary fields.
PO7	Lifelong Learning	Inculcate a habit of self- learning throughout life, through self- paced and self- directed learning aimed at personal development and adapting to changing demands of work place through reskilling

PROGRAM SPECIFIC OUTCOMES (PSO) OF MSc PHYSICS

Upon completion of M.Sc Physics program, the students will be able to:

PSO-1	Develop and refine analytic and critical thinking abilities by immersing yourself in the knowledge and principles of the primary disciplines within physics.
PSO-2	Graduates possess a lasting intellectual curiosity and the skills to pursue continuous learning in both physics-related subjects and other areas that hold significance for society.
PSO-3	To prepare students for pursuing suitable careers in the field of physics.
PSO-4	Engage in fundamental, practical, and cooperative research activities.
PSO-5	Improve pedagogical and scientific writing abilities using contemporary approaches and techniques.
PSO-6	Strengthen national and international proficiency and expertise.
PSO-7	Cultivate entrepreneurial skills and foster a commitment to lifelong learning.
PSO-8	Develop a sense of social and environmental responsibility and become conscientious members of society.