

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

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

PO 1	Critical Thinking and Analytical Reasoning	Analyse, and evaluate evidences and arguments critically to formulate logical arguments and develop in depth knowledge through critical evaluation of practices, policies and theories
PO 2	Scientific Reasoning and Problem Solving	Interpret and analyse quantitative/qualitative data and experimental evidences to draw unbiased conclusion, and develop problem solving skills.
PO 3	Communication skills	Develop intensive and extensive listening skills, analytical reading and writing skills so as to express themselves confidently.
PO 4	Leadership Skills	Demonstrate democratic values in employing effective team building and management strategies to work constructively and lead diverse teams.
PO 5	Equity, Inclusiveness and sustainability	Appreciate equity, inclusiveness and sustainability and acquire values of unity, secularism and national integration with a commitment to social service so as to act as dignified citizens.
PO 6	Moral and Ethical Reasoning	Recognise different value systems in conducting one's life, demonstrate the ability to identify ethical issues related to professional life.
PO 7	Lifelong Learning	Acquire skills for "learning how to learn" and develop skills for self-paced and self-directed learning so as to adapt to the changing demands of workplace through reskilling.

PROGRAMME SPECIFIC OUTCOMES

No.	Upon completion of B.Sc Physics programme , The students will develop	PO-PSO Mapping
PSO1	The importance and scope of the subject for higher studies in the discipline, entrepreneurship and lifelong learning.	1, 2,7
PSO2	Fundamental concepts of mathematics required for formulating and solving problems	1, 2,
PSO3	Skills to understand Statistics / Chemistry as a tool for learning Physics.	1, 2,7
PSO4	Social and environmental responsibility.	4,5
PSO5	Demonstrate writing, speaking, reading and listening competence in two_languages	3,4
PSO6	National and international competency.	3,5
PSO7	Sense of ethics, discipline, time management, emotional intelligence, critical thinking and self awareness essential for nurturing employability	1,4,5,6