

Programmes

Master of Science in Physics (for 2 Years)

Course Intensity: Full Time Programme

Duration: 2 years

About the programme:

A Master of Science (M.Sc.) in Physics is a two-year degree program that can provide the career for students in various fields which includes academics, scientific laboratories, industry, and other related discipline. The different courses offered for this degree focus on the fundamentals of physics and its applications in various domain of science and technology.

Eligibility: 3-year undergraduate program in Science with Physics.

Tuition fee per annum: 46000

Exam fee per annum: 15000

Programme Objectives (POs):

1. PO1: Apply the knowledge of principles and concepts of Physics to practical problems in industry and academia.
2. PO2: Identify, formulate, research literature, and analyze physical problems to arrive at substantiated conclusions using principles of physical sciences.
3. PO3: Create, select, and apply appropriate techniques, resources, and modern analytic tools including prediction and modeling of physics with an understanding of the limitations.

4. PO4: Apply reasoning informed by the contextual knowledge to assess societal, health, safety, legal and cultural issues and the consequent responsibilities relevant to the professional industrial practice.
5. PO5: Understand the impact of the physics, and demonstrate the knowledge with sustainable manner and commit to professional ethics and responsibilities and norms of the industrial and scientific community, function effectively as an individual, and as a member or leader in multidisciplinary settings.
6. PO6: Communicate effectively by writing reports and presentation with the scientific community and society at large. Be able to comprehend and documentation by giving and receive clear instructions.
7. PO7: Demonstrate knowledge and understanding of scientific and management principles and apply these to one's own work, as a member and leader in a team. Manage projects in multidisciplinary environments.
8. PO8: Recognize the need for, and have the preparation and ability to engage in independent and life-long learning in the broadest context of technological and scientific change.

Programme Specific Outcomes (PSOs):

1. PSO1: Comprehend the need, significance and methodologies of physical process their alignment with nature and conducive in cultivating skills for successful carrier in research, industry and as an entrepreneurship.
2. PSO2: Explore scientific skills with a sustainable approach to develop a new innovative solution for emerging problems by providing new knowledge in energy, electronics, materials as well and space physics.

Programme Educational Objectives (PEOs):

1. PEO1: Nurture the needs of industries/laboratories related to physics including energy/materials Physics.

2. PEO2: Demonstrate information literacy skills for acquiring knowledge of Physics, as a physicist/researcher and also as a life-long learner.
3. PEO3: Communicate effectively the scientific information and research results in written and oral formats, to both professional scientists and to the public.

Program Structure:

<https://drive.google.com/drive/u/1/folders/1cmdYvnl7HMH2wzrapvzF4rJNfhDo-Bn1>