

Master of Science - Solid State Physics

Program Educational Objectives (PEO)

1. Modeling of complex systems, with applications as varied as weather science, material science, traffic, and biological systems, to name a few.
2. Development of new materials and technologies with wide-ranging applications including those in the rapidly developing space sector.
3. Research in the fundamental aspects of theoretical and experimental condensed matter physics.

Program Outcomes (PO)

1. To train scientists for industries that are at the forefront of developing products based on novel technologies. These include areas such as material science, nanophysics, and quantum physics based technologies. All these disciplines also have important space-related applications.
2. To train future academics by providing a firm grounding in basic and advanced topics in condensed matter physics and equipping them with relevant computational, theoretical and experimental techniques.