



M.Sc. Physics

Aims and Objectives

- To attract bright and young minds towards the front line areas of research in physics.
- To cover both fundamental and advanced areas of physics and has the aim of training the student to be capable of working in frontier areas of science and technology.
- To working in a project environment as a part of degree program.
- To option of taking courses in interdisciplinary areas.
- To research is aimed both at improving the quality of their research work.
- To continuation of an enrolled student in the program will be based on the student's consistent academic performance throughout the program.

Academic Curriculum & Courses

SEMESTER 1 (21 Credits)

- Mathematical Physics, Classical Mechanics
- Quantum Mechanics, Electronics
- Physics Laboratory, Electives (Advanced Quantum, Chemistry, Energy Storage Technology)

SEMESTER 3 (21 Credits)

- Experimental Research Techniques
- Special Topics in Quantum Mechanics
- Seminar Report, Research Practicum
- Electives (Molecular Simulations
- Magnetism and Magnetic Materials
- Mathematics for chemistry
- Mesoscopic and Quantum Transport
- Advanced Condensed Matter physics

SEMESTER 2 (20 Credits)













- Electromagnetic Theory, Statistical Mechanics
- Condensed Matter Physics
- Atomic & molecular Physics, Electronics Laboratory
- Electives (Photonics, laser)

SEMESTER 4 (18 Credits)

- Computational Methods for Physicists
- Major Research Project
- Electives

Total 80 Credits

Achievements

-  Bhumit Luhar qualified NET-JRF with rank 233
-  Bhishma Narayan Mohanty Net Jrf rank146,Gate rank 279
-  Vaibhav Singh Parmar – gate rank 46
-  Ravi Sharma- Net Jrf rank -186
-  Apoorva Singh Dev qualified ILETS
-  Akash Net Jrf rank185,Gate rank 2500
-  Sardar Dilbag Singh Khalsa –net- jrf201,Gate rank-2455
-  Monu Mehta – gate rank 3534
-  Arshad Malik – net , gate rank 403, rank 565
-  Kriti – net-jrf rank 127
-  Jagriti Ahuja -gate rank 798
-  Shumile Ahmad Siddique – Gate Rank 924

Associated Faculty

Course Coordinator, Faculty Advisor:

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Contact us

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