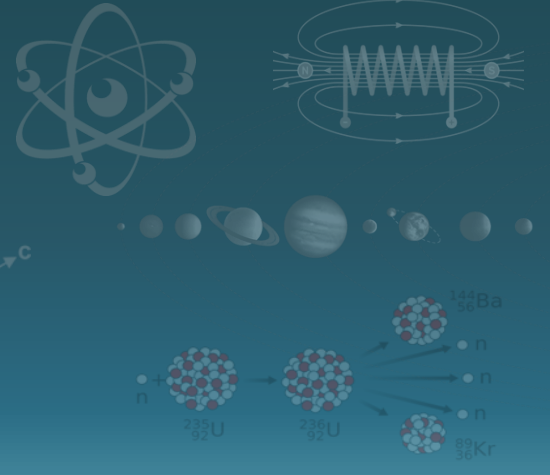




DEPARTMENT OF
MATHEMATICS & PHYSICS

PHYSICS

MINOR PROGRAM



WE ARE OFFERING A MINOR IN PHYSICS

- To Enhance Knowledge in Physics
- To Develop Interdisciplinary Research Experience & Skills
- To Strengthen Academic and Professional Profile



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SEPS STUDENTS ARE REQUIRED TO COMPLETE ONLY
12* EXTRA CREDIT HOURS

COMPULSORY COURSES

WAVES & OSCILLATIONS [PHY-240]

Understanding the basics of mechanical and electromagnetic oscillations and waves

THERMAL PHYSICS [PHY260]

Understanding the laws of thermodynamics and elementary statistical mechanics

MODERN PHYSICS-I [PHY250]

A general view of relativity and the mathematical representation of the microscopic world

OPTIONAL COURSES (CHOOSE ONE)

MODERN PHYSICS-II [PHY-350]

A general view of the quantum mechanical description for different systems

COMPUTATIONAL PHYSICS [PHY-360]

Computational methods and simulations to understand real-world problems

BIOMEDICAL PHYSICS [PHY-370]

Understanding the functions of physical principles in living systems

NANOTECHNOLOGY [PHY-380]

Understanding the nanoscale materials, fabrication & state-of-the-art characterization tools & techniques

POSSIBLE SCOPES OF INTERDISCIPLINARY RESEARCH

*PROPOSED

Nanotechnology Bioinformatics Semiconductor Physics/ Engineering
Materials Science Biomedical Engineering Energy Systems
Optoelectronics Nuclear Engineering Microelectronics **Many more!!**

FOR DETAILS:
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