



DEPARTMENT OF
MATHEMATICS & PHYSICS

PHYSICS

MINOR PROGRAM

WE ARE OFFERING A MINOR IN PHYSICS

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



Scan me

SEPS STUDENTS ARE REQUIRED TO COMPLETE ONLY
12 EXTRA CREDIT HOURS

COMPULSORY COURSES

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

WAVES & OSCILLATIONS [PHY-240]*

Understanding the basics of mechanical and electromagnetic oscillations and waves

** Offering for Summer 2026*

Prerequisite course is PHY107

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-470]

Understanding the functions of physical principles in living systems

NANOTECHNOLOGY [PHY-480]

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

POSSIBLE SCOPES OF INTERDISCIPLINARY RESEARCH

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

***** Such Programs are offered at Top Global Universities *****

FOR DETAILS:
NAHID SANJANA, PROGRAM OFFICER (OFFICE: SAC 1038)

TEL: +88-02-55668200 (EXT: 1561)
NAHID.SANJANA@NORTHSOUTH.EDU