

A – MINOR REQUIREMENTS – 18 HOURS (18 advanced)

This minor is suitable for STEM students who wish to have a general introduction to applications of physics. Minor criteria: completion of MATH 2414 Calculus II (or MATH 2488 Honors) and PHYS 2426 Physics for Scientists and Engineers II. NOTE: Any other nanotechnology-related science courses can be taken after getting approval from the academic advisor.

1 – Nanotechnology Core – 12 hours (12 advanced)

PHYS 3308 Introduction to Nanoscience
PHYS 4301 Introduction to Bio-Nanotechnology
PHYS 4302 Nano Optics
PHYS 4316 Undergraduate Capstone Design

2 – Nanotechnology Electives – 6 hours (6 advanced)

Choose from:

PHYS 3307 Introduction Solid State Physic
BENG 4120 Molecular Bioengineering Lab
BENG 4320 Molecular Bioengineering
ENGR 3312 Engineering of Nanomaterials
ENGR 4311 Nanofabrication and Nanoelectronics