Physics; Bachelor of Science Degree Program Outcomes

1. The student will demonstrate a scientific knowledge of the core physics principles in Mechanics, Electromagnetism, Modern Physics, and Optics.

2. The student will determine the appropriate level of technology for use in: a) experimental design and implementation, b) analysis of experimental data, and c) numerical and mathematical methods in problem solutions.

3. The student will effectively communicate their knowledge of physics from basic concepts to specific detailed presentations through a variety of oral, written, and computational modalities.

4. The student will demonstrate a purposeful knowledge of scientific literature and ethical issues related to physics.

In addition:

(Astrophysics concentration only): The student will present detailed knowledge of astrophysical phenomena, research procedures, and associated skills specifically involved in astrophysical research.

(Cooperative Engineering concentration only): The student will demonstrate the ability to integrate scientific principles into real-world problems in engineering school.