## PHYSICS, B.S.

## **LEARNING OUTCOMES**

- 1. Understand basic physical principles.
- 2. Solve problems proficiently using both quantitative and qualitative applications of these physical principles.
- 3. Appreciate the excitement of physics and be acquainted with a wide range of research areas in physics.
- 4. Know how to perform quantitative measurements of physical phenomena and understand the statistical significance of observations made in the presence of statistical and systematic uncertainties.
- 5. Be prepared for graduate study and/or careers in STEM fields.
- 6. Communicate effectively with scientific peers and the public, both orally and in writing.
- 7. Understand their own learning processes and be able to continue to educate themselves after graduation.