

## PHY 103: Sound, Light, and Electricity

Introduces waves and sound, electricity and magnetism, and light and optics. Designed as a laboratory science course for non-science majors.

### Course Student Learning Outcomes

Upon completion of the course students will be able to:

- Apply knowledge of sound waves, electricity and magnetism, and light to explain natural physical processes and related technological advances.
- Use an understanding of elementary mathematics along with physical principles to effectively solve problems encountered in everyday life, further study in science, and in the professional world.
- Design experiments and acquire data in order to explore physical principles, effectively communicate results, and critically evaluate related scientific studies.
- Assess the contributions of physics to our evolving understanding of global change and sustainability while placing the development of physics in its historical and cultural context.

Credits: 4

Prerequisites: [WR 115](#) [RD 115](#) [MTH 65](#) [MTH 98](#) MTH 65 or MTH 98 accepted. Equivalent placement test scores also accepted.

Program: [Physics](#)