

Physics Program Learning Outcomes:

1. Graduates will demonstrate an ability to identify, formulate, and solve complex problems by applying principles of science and mathematics.
2. Graduates will demonstrate an ability to apply physical principles, mathematical reasoning, and computational techniques to produce solutions that meet specified needs with consideration of public health, safety, and welfare, as well as global, cultural, social, environmental, and economic factors.
3. Graduates will demonstrate an ability to communicate effectively with a range of audiences.
 - Graduates will effectively communicate complicated technical information in writing.
 - Graduates will effectively communicate complicated technical information orally.
 - Graduates will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand.
4. Graduates will demonstrate an ability to recognize ethical and professional responsibilities and make informed judgments, which must consider the impact of scientific solutions in global, economic, environmental, and societal contexts.
5. Graduates will demonstrate an ability to function effectively on a team whose members together provide leadership, create a collaborative and inclusive environment, establish goals, plan tasks, and meet objectives.
6. Graduates will demonstrate an ability to develop and conduct appropriate experimentation, analyze and interpret data, and use scientific judgment to draw conclusions.
7. Graduates will demonstrate an ability to acquire and apply new knowledge as needed, using appropriate learning strategies.