

Program Learning Outcomes

Physics and Engineering

Graduates from the Physics B.S. and B.A. programs will demonstrate the following learning outcomes:

- Students will develop an understanding of the fundamental principles of physics
- Students will apply physical principles, mathematical reasoning, and computational techniques to solve real-world problems
- Students will design and conduct experiments as well as analyze and interpret data
- Students will effectively communicate complicated technical information in writing
- Students will effectively communicate complicated technical information orally
- Students will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand.
- Students will effectively collaborate in teams

Graduates from the Engineering Physics program will demonstrate the following learning outcomes:

- Students will develop an understanding of the fundamental principles of physics and of engineering
- Students will apply physical principles, mathematical reasoning, and computational techniques to solve real-world problems
- Students will design and conduct experiments or complete an engineering design project as well as analyze and interpret data.
- Students will effectively communicate complicated technical information in writing
- Students will effectively communicate complicated technical information orally
- Students will be able to identify, locate, evaluate, and effectively and responsibly use and cite information for the task at hand.
- Students will effectively collaborate in teams