

# PHYSICS (PHY)

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## **PHY 2025 Introduction to Principles of Physics**

**Credit Hours:** 3

**Prerequisites:** MAC 1105 with a grade of "C" or higher

This course is an introduction to physical principles applied to topics from mechanics, electricity, circuit analysis, and optics. The course will provide students with a review of the required math skills, graphing techniques, and problem solving methods. This course is a prerequisite for College Physics and General Physics for students who have had no high school physics.

## **PHY 2048 General Physics 1**

**Credit Hours:** 4

**Prerequisites:** PHY 2025 (or high school physics) and MAC 2311 - both courses with a grade of "C" or higher

**Corequisites:** MAC 2312 and PHYL 2048

**General Education Category:** Natural Science CORE COURSE

Meets General Education requirement. Quantitative and qualitative study of physical principles applied to mechanics and heat. This course is a state-designated core course.

## **PHY 2049 General Physics 2**

**Credit Hours:** 4

**Prerequisites:** MAC 2312, PHY 2048 and PHYL 2048 - all courses with a grade of "C" or higher

**Corequisites:** PHYL 2049

**General Education Category:** Science Gen Ed

Meets General Education requirement. This course is a continuation of PHY 2048 studying wave motion, electricity, magnetism, geometrical and physical optics.