

Physics Minor

Students may complete a minor in physics with the flexibility of emphasis on classical physics, modern physics, or a combination of the two areas. The following physics courses are required:

PHYSICS 1099	Windows on Physics	1
PHYSICS 2111	Physics: Mechanics and Heat	4
PHYSICS 2112	Physics: Electricity, Magnetism, and Optics	4
PHYSICS 3200	Mathematical Methods of Theoretical Physics	3
Select two additional emphasis courses from the following:		6
PHYSICS 3221	Mechanics	
PHYSICS 3223	Electricity and Magnetism	
PHYSICS 3231	Introduction to Modern Physics I	
PHYSICS 4310	Modern Electronics	
Total Hours		18

A GPA of at least 2.0 is required in courses presented for a minor. It is required that a student completes a minimum of 6 hours of graded work in 2000 level or above courses on the UMSL campus.

Program Purpose

The purpose of the Minor in Physics at the University of Missouri at St. Louis is to provide students with a core knowledge of physics concepts to complement their major degree program.

Learning Outcomes

- Students will be able to demonstrate an understanding of basic physics concepts such as classical mechanics, electricity and magnetism, modern physics, and modern electronics
- Students will be skilled in problem-solving, critical thinking and analytical reasoning as applied to scientific problems
- Students will be proficient in both written and oral communication of the results of scientific work
- Students will have the skills necessary to identify possible errors in scientific data, and to assess the significance of observed results