

MINOR

Physics

www.emporia.edu/physics

This program is designed to allow a degree of specialization in physics while majoring in another field such as chemistry, mathematics, earth science, or computer science.

General Information

The basic requirements for the minor are listed below. The total credit hours necessary are 19.

Required Courses: 10 hours

Courses	Hours
PH190, 191, 192 Physics I (Lecture, Lab, & Recit)	5
PH393, 394, & 395 Physics II (Lecture, Lab, & Recit)	5

Equivalent courses may be substituted. See the chair of the Departments of Physical Sciences.

Elective Courses: 9 hours

The student may select from these and other physics courses for a minimum of 9 hours. PH 540 Modern Physics and an advanced laboratory course are highly recommended.

Courses	Hours
PH100 Orientation to Physics	2
PH 450 Interdisciplinary Sciences: Physics.....	3
PH 500 Topics in Physics.....	1-5
PH 510 Computer Applications in Physics	3
PH520 Light.....	3
PH530 Heat and Thermodynamics.....	3
PH540 Modern Physics.....	3
PH547 Analog Electronics	3
PH548 Analog Electronics Lab.....	2
PH550 Digital Electronics.....	3
PH551 Digital Electronics Lab.....	2
PH730 Seminar in Physics	0-2

Elective Courses con't.

	Hours
PH741 Advanced Physics Lab I.....	3
PH742 Advanced Physics Lab II	3
PH760 Mechanics I.....	3
PH762 Electricity & Magnetism I.....	3
PH763 Electricity & Magnetism II.....	3
PH790 Theoretical Physics	3
PH795 Intro to Quantum Mechanics.....	3