

PHYSICS (PHYS)

PHYS 101 - Survey of Physics (3)

Gen Ed Science

Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND [(Prerequisite: MATH 101A or MATH 120A or MATH 145S) OR (Prerequisite or Co-requisite: MATH 101 or higher credit level (non-A or S) MATH course) OR (appropriate score on mathematics placement test)]*
**MATH 101A, MATH 120A, MATH 145S can serve as prerequisites only, not co-requisites*

(formerly PY 101)

Presents a survey of physics. Topics include mechanics, energy, thermodynamics, waves, sound, electricity and magnetism, optics, and modern physics.

This course is only offered in the Spring.

PHYS 121 - Fundamentals of Physics I (4)

Gen Ed Science

Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 AND (MATH 165 or MA 111)

(formerly PY 201)

Presents the first of a two-course introductory sequence to physics using algebra and trigonometry. Topics include Newtonian mechanics, rotational motion, fluids, oscillations, and waves. Meets the requirement for a general education science lab course.

This course is only offered in the Fall.

PHYS 122 - Fundamentals of Physics II (4)

Gen Ed Science

Prerequisite: PHYS 121 or PY 201

(formerly PY 202)

Presents the second of a two-course introductory sequence to physics using algebra and trigonometry. Topics include thermodynamics, electricity and magnetism, optics, and modern physics. Meets the requirement for a general education science lab course.

This course is only offered in the Spring.

PHYS 151 - General Physics I (4)

Gen Ed Science

Prerequisites: ENGL 70 or ENGL 75 or (ESOL 72 and ESOL 73) or ESOL 100 and (MATH 185 or MA 210)

(formerly PY 203)

Presents the first of a three-course introductory sequence to physics using calculus. Topics include Newtonian mechanics, work and energy, gravitation, fluids, oscillations, waves, and sound. Meets the requirement for a general education science lab course.

PHYS 252 - General Physics II (4)

Gen Ed Science

Prerequisites: (PHYS 151 or PY 203) and (MATH 195 or MA 211)

(formerly PY 204)

Presents the second of a three-course introductory sequence to physics using calculus. Topics include thermodynamics, and electricity and magnetism. Meets the requirement for a general education science lab course.

PHYS 253 - General Physics III (4)

Prerequisite: PHYS 252 or PY 204

(formerly PY 205)

Presents the third of a three-course introductory sequence to physics using calculus. Topics include optics, modern physics, and special relativity. Meets the requirement for a science lab course.