

# PHYSICS (PHYS)

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## 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.