

PHYSICS (PHYS)

APPLIED PHYSICS
 PHYS 090
 44 hours of lecture / 22 hours of lab
 Topics include force, motion, torque, energy, power, friction, electricity, magnetism, mechanical advantage, fluids, metric measurement, elasticity, heat, temperature, heat transfer, and heat engines. Open to all students seeking an Applied Science degree.

PHYSICS CALCULATIONS
 PHYS 091
 11 hours of lecture
 Concurrent enrollment in PHYS & 124 is required.
 Methods of problem-solving in physics. [PNP] 1 Credit/Unit

PHYSICS CALCULATIONS
 PHYS 092
 11 hours of lecture
 Concurrent enrollment in PHYS& 125 required.
 Methods of problem-solving in physics. [PNP] 1 Credit/Unit

PHYSICS CALCULATIONS
 PHYS 093
 11 hours of lecture
 Concurrent enrollment in PHYS& 126 required.
 Methods of problem-solving in physics. [PNP] 1 Credit/Unit

PHYSICS CALCULATIONS
 PHYS 094
 11 hours of lecture
 Concurrent enrollment in PHYS& 221 required.
 Methods of problem-solving in physics. 1 Credit/Unit

PHYSICS CALCULATIONS
 PHYS 095
 11 hours of lecture
 Concurrent enrollment in PHYS& 222 required.
 Methods of problem-solving in physics. 1 Credit/Unit

PHYSICS CALCULATIONS
 PHYS 096
 11 hours of lecture
 Concurrent enrollment in PHYS& 223 required.
 Methods of problem-solving in physics. 1 Credit/Unit

PHYSICS NON-SCI MAJORS
 PHYS&100
 44 hours of lecture
 Concurrent enrollment in PHYS 101 Lab course required.
Prerequisite: MATH 090 or equivalent.
 Introduction to basic physics concepts for non-science majors, technical students, or students who desire a PHYS 121 or 221 preparatory course. [NS, SE] 4 Credits/Units

PHYSICS LAB NON-SCI MAJORS
 PHYS&101
 33 hours of lab
 Concurrent enrollment in PHYS 100 course required or consent of the instructor.
 Laboratory study of basic physics concepts for non-science majors, technical students, or students who desire a PHYS 121 or 221 preparatory course. [NS, SE] 1 Credit/Unit

GENERAL PHYSICS LAB I
 PHYS&124
 33 hours of lab
 Concurrent enrollment in PHYS& 134.
 Exploration of classical physics topics in mechanics through laboratory experience. [NS, SE] 1 Credit/Unit

GENERAL PHYSICS LAB II
 PHYS&125
 33 hours of lab
 Concurrent enrollment in PHYS& 135.
 Exploration of classical physics topics in fluids, thermodynamics, and sound through laboratory experience. [NS, SE] 1 Credit/Unit

GENERAL PHYSICS LAB III
 PHYS&126
 33 hours of lab
 Concurrent enrollment in PHYS& 136.
 Exploration of classical physics topics in electricity and magnetism, optics, and modern physics through laboratory experience. [NS, SE] 1 Credit/Unit

GENERAL PHYSICS I
 PHYS&134
 44 hours of lecture
 Concurrent enrollment in PHYS 091 and PHYS& 124 required.
Prerequisite: A grade of "C" or better in College Trigonometry, and a grade of "C" or better in or concurrent enrollment in College Algebra.
 First of a three-term sequence, offered in fall and winter quarters.
 Physical principles of motion, equilibrium, dynamics, gravity, work energy, momentum, and fluids. Recommended for students in medicine, dentistry, pharmacy, physical therapy, forestry and the life sciences. [NS, SE] 4 Credits/Units

GENERAL PHYSICS II
 PHYS&135
 44 hours of lecture
 Concurrent enrollment in PHYS& 125 and PHYS 092.
Prerequisite: A grade of "C" or better in PHYS 134.
 Second of a three-term sequence beginning with PHYS 134. Fundamental physical principles of sound, fluids, heat, thermodynamics, electricity, and magnetism. [NS, SE] 4 Credits/Units

GENERAL PHYSICS III
 PHYS&136
 44 hours of lecture
 Concurrent enrollment in PHYS& 126 and 093.
Prerequisite: A grade of "C" or better in PHYS 135.
 Third of a three-term sequence beginning with PHYS 134. Topics in electricity, magnetism, atomic and nuclear physics, and optics. [NS, SE] 4 Credits/Units

COOPERATIVE WORK EXPERIENCE
 PHYS 199
 99 hours of clinical
Prerequisite: Consent of Instructional Unit.
 Supervised work experience in an approved job. Completion of specific learning objectives and employer evaluation. Completion of, or concurrent enrollment in, HDEV 195, 198, or 200 required. [GE] 3 Credits/Units

ENGINEERING PHYSICS LAB I
 PHYS&231
 33 hours of lab
 Concurrent enrollment in PHYS& 241.
 Students will explore classical physics topics in mechanics through laboratory experience. [NS, SE] 1 Credit/Unit

