

PHYSICS (PHYC)

PHYC 115, PHYSICS FOR THE ALLIED HEALTH SCIENCES 4 (6)

Study of general physics concepts including mechanics, thermodynamics, waves, and electricity and magnetism for students in the Allied Health sciences. Laboratory required. (A special fee will be assessed.)

General Education: IN1

Course Entry Requirement(s): Concurrent: MTHM 121 or MTHM 168.

Typically Offered: Fall and Spring Semesters

PHYC 150, GENERAL PHYSICS I 4 (6)

Algebra-based physics course. Topics include linear and rotational kinematics, Newton's laws of motion, energy, momentum, equilibrium, temperature and kinetic theory, and thermodynamics. Laboratory required. (A special fee will be assessed.) Natural Science Core Course. Prerequisite: Satisfactory placement assessment score above the level of Trigonometry and Algebra II or MTHM 121 or MTHM 172 or divisional approval.

General Education: C3, IN1

Typically Offered: Summer, Fall and Spring Semesters

PHYC 152, GENERAL PHYSICS II 5 (7)

Continuation of PHYC 151. Topics include waves, sound, optics, electric and magnetic fields and forces, and modern physics. Laboratory required. (A special fee will be assessed.) Natural Science Core Course. Prerequisite: PHYC 151 or divisional approval.

General Education: C3, IN1

Course Entry Requirement(s): Prerequisite: PHYC 151 or divisional approval.

Typically Offered: Spring Semester

PHYC 251, COLLEGE PHYSICS I 5 (7)

Calculus-based physics course designed for engineers and science majors. Topics include force, energy, momentum, rotation and thermodynamics. Laboratory required. (A special fee will be assessed.) Natural Science Core Course.

General Education: C3, IN1

Course Entry Requirement(s): Prerequisite: MTHM 181

Typically Offered: Fall and Spring Semesters

PHYC 252, COLLEGE PHYSICS II 5 (7)

Continuation of PHYC 251. Topics include electric fields and forces, magnetic fields and forces, wave theory, harmonic motion, wave interference, and modern atomic physics. Laboratory required. (A special fee will be assessed.) Natural Science Core Course.

General Education: C3, IN1

Course Entry Requirement(s): Prerequisite: PHYC 251 and MTHM 182 or divisional approval

Typically Offered: Fall and Spring Semesters

PHYC 299, INDIVIDUALIZED STUDIES IN PHYSICS 1-2 (1)

An in-depth study of areas in Physics presented by discussion and/or individual research and reading. Topics will vary. Repeatable up to a total of four (4) credit hours. Prerequisite: Second-year standing and divisional approval.

Typically Offered: Offer as required