

Physics or Engineering

PHYS 201 (1931) College Physics I

Prerequisite: Concurrent enrollment in **or** completion of MATH 125 Trigonometry

Reading Placement Test Level: College Reading

Credit Hours: 5

This course will study the laws of motion and mechanics. Energy, gravity, friction, and the concept of an inertial reference frame will be presented. Experiments give training in laboratory techniques.

PHYS 203 (0901) Engineering Physics

Prerequisite: Concurrent enrollment in or completion of MATH 130 Calculus I

Credit Hours: 5

The topics covered are the same as PHYS 201 College Physics I. However, all topics are covered using concepts and mathematical tools of calculus.

PHYS 205 (1932) College Physics II

Prerequisite: MATH 125 Trigonometry and PHYS 201 College Physics I

Credit Hours: 5

Continues from PH 1931 College Physics I with the study of mechanical waves, sound, thermodynamics, electricity and magnetism, and some modern physics as time permits.

PHYS 208 (0902) Engineering Physics II

Prerequisite: Concurrent enrollment in or completion of MATH 131 Calculus II.

Credit Hours: 5

Completion of PHYS 201 Engineering Physics I is strongly recommended before enrollment in this course.

The topics covered are the same as PH YS 205 College Physics II. However, all topics are covered using the concepts and mathematical tools of calculus.

PHYS 210 (0903) Statics (IO)

Prerequisite: MATH 125 Trigonometry, PHYS 203 Engineering Physics I, and MATH 131, Calculus II (MATH 201 Calculus III or INDU 131 Engineering Graphics I are strongly recommended.)

Credit Hours: 3

A sophomore engineering course on force and force systems as applied to engineering problems, friction, centers of gravity, and moment of inertia.

PHYS 214 (0907) Independent Study in College Engineering Physics (IO)

Prerequisite: Consent of instructor.

Credit Hours: 3

Independent study in specialized areas of physics for the individual student. May be repeated for credit not to exceed three hours.

Reading Essentials Placement Scores: ACT 0-12, COMPASS 0-54

College Reading Placement Scores: ACT 13-16, COMPASS 55-74

No Reading Course Required Placement Scores: ACT 17 or Higher, COMPASS 75 or higher

IO = Infrequently Offered Course