

# PHYSICS (PHYS)

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## PHYS 151 COLLEGE PHYSICS I3 Credits

Principles of mechanics, sound, thermodynamics, and fluid mechanics.

**Prerequisites:** MATH 134, MATH 135, MATH 138, MATH 142, MATH 151, or MATH 232

**Co-requisites:** PHYS 151L

## PHYS 151L COLLEGE PHYSICS I LABORATORY1 Credit

Laboratory exercises in College Physics I.

**Co-requisites:** PHYS 151

## PHYS 152 COLLEGE PHYSICS II3 Credits

Principles of electricity, magnetism, light, optics and modern physics.

**Prerequisites:** PHYS 151 and PHYS 151L

**Co-requisites:** PHYS 152L

## PHYS 152L COLLEGE PHYS II LABORATORY1 Credit

Laboratory exercises in College Physics II.

**Co-requisites:** PHYS 152

## PHYS 200 INDEPENDENT STUDY OR RESEARCH1-3 Credits

Study or research in an area of special interest.

**Add Consent:** Department Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Approval of instructor, School Dean, and Academic Vice President.

## PHYS 241 UNIVERSITY PHYSICS I4 Credits

The principles of mechanics, heat and sound. Differential and integral calculus applied.

**Prerequisites:** MATH 252

**Co-requisites:** PHYS 241L

## PHYS 241L UNIVERSITY PHYSICS I LABORATORY1 Credit

Laboratory exercises in University Physics I.

**Co-requisites:** PHYS 241L

## PHYS 242 UNIVERSITY PHYSICS II4 Credits

Principles of magnetism, electricity, and optics. Differential and integral calculus applied.

**Prerequisites:** PHYS 241 and PHYS 241L

**Co-requisites:** PHYS 242L

## PHYS 242L UNIVERSITY PHYS II LABORATORY1 Credit

Laboratory exercises in University Physics II.

**Co-requisites:** PHYS 242

## PHYS 320 SUPERVISED STUDY IN LAB AND FIELD METHODS1-2 Credits

Students will prepare, supervise, and evaluate laboratory exercises under the direction of faculty members. The course is designed to give students practical experience teaching in the laboratory setting.

**Cross-Listed:** BIOL/CHEM/GEOS/PHYS320

**Prerequisites:** Sophomore or above status

## PHYS 471J INDEPENDENT STUDY OR RESEARCH1-3 Credits

Study or research in an area of special interest.

**Prerequisites:** Junior or above status

**Add Consent:** Instructor Consent

**Notes:** The number of credit hours is determined by the topic and the amount of work required.

**Requirements:** Permission of instructor and School Dean is required.