

# PHYSICS (PHS)

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**PHS 100: Introduction to Physical Science (3 credits)**

This course is an introduction to the core elements of physics and chemistry and is designed for non-science major students. The goals of this course are to convey an understanding of physical concepts and their applications in students' career fields and society. Topics covered will include the scientific method, mechanics, gravity, different forms of energy, chemical principles, properties of matter, and the structures of atoms and molecules.

**PHS 101: University Physics I (3 credits)**

This is a non-calculus based introduction to the principles of physics and their applications. The topics covered include kinematics, Newton's laws of motion, work energy, momentum, and rotational motion.

*Prerequisite: MAT 104 or higher*

**PHS 201: University Physics I for Science Majors (3 credits)**

This course is a calculus-based introduction to the principles of physics and their applications. The topics covered will include kinematics, Newton's laws of motion, work, energy, momentum, and rotational motion.

*Prerequisite: MAT 130 or MAT 221*

**PHS 201L: University Physics I for Science Majors Lab (1 credits)**

This course is a calculus-based introduction to the principles of physics and their applications. The topics covered will include kinematics, Newton's laws of motion, work, energy, momentum, and rotational motion.

*Lab fee: \$265.00*

*Corequisite: PHS 201*

**PHS 202: University Physics for Science Majors (3 credits)**

This course is a calculus based introduction to rotational motion, oscillations, wave motion, thermal physics, kinetic theory, and electricity and magnetism.

*Prerequisite: PHS 201*

**PHS 202L: University Physics for Science Majors II Lab (1 credits)**

This course is a calculus based introduction to rotational motion, oscillations, wave motion, thermal physics, kinetic theory, and electricity and magnetism.

*Lab fee: \$265.00*

*Corequisite: PHS 202*