

PHY 251 : General Physics I

This course uses calculus-based mathematical models to introduce the fundamental concepts that describe the physical world. Topics include units and measurement, vector operations, linear kinematics and dynamics, energy, power, momentum, rotational mechanics, periodic motion, fluid mechanics, and heat. Upon completion, students should be able to demonstrate an understanding of the principles involved and display analytical problem-solving ability for the topics covered.

Credits 4

Class Hours 3

Lab Hours 3

Clinical Experience Hours 0

State Prerequisite Courses

[MAT 271](#)

State Corequisite Courses

[MAT 272](#)

Notes

This course has been approved for transfer under the CAA as a general education course in Natural Science. This course has been approved for transfer under the ICAA as a general education course in Natural Science. This is a Universal General Education Transfer Component (UGETC) course.