

Physical Science (PHSC)

PHSC 1100. The Universe of Energy. 3 Hours.

Prerequisite: MATH 1111 or 1101 or 1001. A survey of the physical sciences focuses upon the theme of energy. The concept of energy as a physical quantity is developed, and implications of the Law of Conservation of Energy are explored. Issues related to the utilization of energy in an industrial society are discussed, and examples of geological, meteorological, astrophysical, and chemical processes which involve energy are presented.

PHSC 1100H. Honors The Universe of Energy. 3 Hours.

Prerequisite: MATH 1111 or equivalent, or consent of the instructor. An enhanced survey of the physical sciences focused upon the theme of energy. The concept of energy as a physical quantity is developed, and implications of the Law of Conservation of Energy are explored. Issues related to the utilization of energy in an industrial society are discussed, and examples of geological, meteorological, astrophysical, and chemical processes which involve energy are presented.

PHSC 3010. Experimental Physical Science. 4 Hours.

Prerequisite: MATH 1111 or equivalent. This course covers the basic principles of physical science, and how apparatus can be built from commonly available materials in order to demonstrate these principles.

PHSC 3050. Observational Astronomy. 4 Hours.

Prerequisite: PHSC 1100, and GEOL 3020 or ASTR 1020, or the consent of the instructor. A study of the observation of celestial objects visible to the unaided eye, with astronomical photography, the position and motion of objects in the sky, locating celestial objects with the telescope and the use of star charts. The course consists of about 25 hours of lecture and 50 hours of laboratory work.