

# NATURAL SCIENCE (NSCI)

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**NSCI 101 Gr Lks Reg: Laws of Nature 4 Credit Hours (3,2)**

A survey of basic physical science principles emphasizing their applications in daily life.

**Prerequisite(s):** MATH088 or equivalent/satisfactory score on ACT or Placement Exam

**NSCI 102 Gr Lakes Region: Geology & Res 4 Credit Hours (3,2)**

A survey course to acquaint students with the major concepts and phenomena inherent in a study of geology with a focus and application to the Great Lakes region. It will also provide sufficient background for a better understanding of human relationships to the physical environment and resources with an emphasis on implications for the Great Lakes region.

**Prerequisite(s):** None

**NSCI 103 Environmental Science 3 Credit Hours (3,0)**

An introduction to environmental concepts and a brief survey of environmental issues facing society. Emphasis is placed on solutions and the responsibility of the individual towards these solutions.

**NSCI 104 Environmental Science Lab 1 Credit Hour (0,2)**

Laboratory component of environmental science.

**Corequisite(s):** NSCI103

**NSCI 105 Phys Geog: Earth/Sun/Weather 3 Credit Hours (3,1)**

Study of the physical properties of the earth's surface as they relate to weather and climate. Credit for both GEOG108 and NSCI105 not permitted.

**NSCI 107 Phys Geog: Landforms/Soil 3 Credit Hours (3,1)**

Study of the physical properties of the earth's surface as they relate to landforms and soils. Credit for both GEOG106 and NSCI107 not permitted.

**NSCI 108 Science for Citizens 4 Credit Hours (3,2)**

This course picks up where the Next Generation Science Standards (NGSS) for High School end. After a review of material from NGSS, students will then delve deeper into major scientific topics to examine phenomena through traditional course work and laboratory exercises. This course is designed to provide a background in science that will allow individuals to continue to learn throughout life, evaluate general scientific information to make more informed decisions as a citizen, and promote participation in citizen science. Topics are introduced and then supported through review of current issues such as popular news articles and books, social media trends, and proposed legislation. Students will read provided information and then evaluate the merits of scientific aspects based upon their knowledge of the subject matter gained from discussion and laboratory exercises.

**Prerequisite(s):** MATH088 and ENGL110

**NSCI 110 Introduction to Forensics 4 Credit Hours (3,2)**

An introductory forensics course introducing the world of forensics focusing on the aspects of chemistry used during an investigation. Incorporating a criminal justice and fire science perspective, attention will be given to developing critical thinking skills, understanding the scientific process and to making scientifically informed decisions about every day events.

**Pre or Corequisite(s):** MATH102

**NSCI 116 Introduction to Oceanography 4 Credit Hours (3,2)**

A survey of the features, processes and evolution of Earth's ocean basins. The course will examine geological, physical, chemical and ecological aspects of oceanography with an emphasis on their interrelationships and their impact on humanity.

**NSCI 119 Descriptive Astronomy 4 Credit Hours (3,2)**

Introductory course with a balanced, comprehensive account of contemporary astronomy with emphasis placed on the broad principles of astronomy rather than on a chronological or historical framework.

**Prerequisite(s):** MATH088 or equivalent/satisfactory score on ACT or Placement Exam