

General Education (Gen Ed) Natural Science (NASC) Spring 2019

Any one of the following Spring 2019 courses may be used to fulfil the Gen Ed Natural Science (NASC) lower-level requirement:

ASTR 242 Modern Astronomy: Stars, Galaxies and Cosmology

3 credits / 3 lecture hours

In this course, students survey basic concepts and discoveries in modern astronomy and cosmology.

Students examine topics such as, star formation and evolution, quasars, galaxies, The Big Bang and The Steady State Theories, black holes, time travel and the search for extra-terrestrial life.

Prerequisite: First year standing

BIOL 109 General Biology

3 credits / 4 lecture hours

This course is a general course which surveys selected topics in Biology and is intended for non-science majors.

Prerequisite: Admission to programme

BIOL 116 Ecology

3 credits / 2 lecture hours / 2 lab hours

A study of the ecology of The Bahamas from a theoretical and practical perspective. The study includes primitive organisms, soil, marine, atmospheric, plant and animal life as well as problems of conservation and pollution.

Prerequisite: First year standing

CHEM 100 Chemistry in the World Around Us

3 credits / 3 lecture hours

This course is intended for non-science majors. It introduces the student to a wide variety of natural phenomena and deals with many contemporary environmental issues.

Prerequisite: First year standing

GEOG 100 Introduction to the Geography of The Bahamas

3 credits / 3 lecture hours

This course explores the physical and human geography of The Bahamas and includes local fieldwork.

Current issues such as climate change, migration and tourism are addressed. A field trip within The Bahamas is required at an additional cost.

Prerequisite: First year standing

GEOG 205 Geography of the West Indies

3 credits / 3 lecture hours

This course introduces students to the physical and human geography of the West Indies, including the internal and external factors affecting the development of the region.

Prerequisite: Second year standing

MATH 168 Pre-Calculus II: Trigonometry

3 credits / 3 lecture hours

With the aid of technology, students study fundamental concepts in analytic trigonometry and trigonometric functions along with their applications.

Prerequisite: MATH 140 or placement at MATH 168

PHYS 164 General Physics I

4 credits

This is the first of a two-semester sequence suitable for students majoring in Biology, Education, or

Technology and can serve as a science requirement for non-science majors. It is of college level maturity; nevertheless, it does not require a pass in school Physics or its equivalent. Topics covered include: basic concepts, vector quantities, Newton's Laws of Motion with applications, Momentums, energy hydrostatics, gas laws, and heat.

Prerequisite: PHYS 071

SCIN 171 General Science I

3 credits / 2 lecture hours / 2 lab hours

This course exposes students to general science concepts. Emphasis is on derived units of measurement, chemical reactions, human interactions with the environment and functioning of plant and animal systems.

Prerequisite: Admission to programme

Any one of the following courses may be used to fulfil the Gen Ed Natural Science (NASC) upper-level requirement:

BIOL 475 Bioethics

3 credits / 3 lecture hours

This course covers the ethical and philosophical implications of certain technologies and biological and medical procedures. Emphasis is on models of ethical analysis, self-knowledge, religious ethics and ethics in science.

Prerequisite: Third year standing

PHYS 301 Energy, Society and the Environment

3 credits

In this course, students survey the physics principles underlying energy production, consumption and conservation. Students examine the economic and political impact of energy-related practices locally and globally.

Prerequisite: Third year standing

SCIN 371 General Science II

3 credits

This course exposes students to advanced general science concepts. Emphasis is on aspects of physical and earth science.

Prerequisite: SCIN 171 or SCIN 154