NATURAL SCIENCE (NSCC)

NSCC 111 Principles and Concepts, Level A
The natural sciences are those branches of science that explore and interpret important knowledge domains (like biology) by applying an empirical and scientific method to the study of the world around us. In this competency, you will begin by reviewing the Scientific Method, a method of inquiry consisting of observational study, measurement, experimentation, and the formulation, testing, and modification of hypotheses. Following that, you will explore the discipline of biology, the study of living organisms, taking particular note of how the Scientific Method establishes the truths of biological science through the methodology of scientific research. 1.5 credits.

NSCC 112 Principles and Concepts, Level B
The natural sciences are those branches of science that explore and interpret important knowledge domains (like chemistry and environmental science) by applying an empirical and scientific method to the study of the world around us. In this competency, you will explore the discipline of chemistry, the study of substances, the way they interact and change, and how to use them to form new substances. It is a rich subject, but at its heart is understanding the structure of atoms according to modern chemistry theory. When done, you will know much more about bonding, heat energy's relationship to reactions, atomic structure, and the properties of solids, liquids, and gases. Then you will explore the discipline of environmental science, which studies the natural world and how humans as a species interact with it. This includes ecosystems, populations and how they change, current problems in land use and preserving biodiversity, and specific issues around water, minerals, fossil fuels, and alternative energy sources, and even energy efficiency. 1.5 credits.

NSCC 115 Methods and Applications
This course focuses on how to apply the principles, concepts, and methods of the natural sciences to a real-world situation. Specifically, it focuses on taking the scientific method and applying it to solve a problem or issue. 3 credits.