Program Learning Objectives

**Understanding scientific concepts:** Students will demonstrate understanding of scientific concepts including the process of science and experimentation.

**Understanding Chemistry Concepts:** Students will demonstrate a thorough knowledge of basic chemistry principles.

**Understanding Biological concepts:** Students will demonstrate a thorough understanding of biological concepts including cellular organization, genetics, physiology, ecology, and evolution.

**Understanding Physical concepts:** Students will demonstrate a thorough understanding of physical concepts including fundamental laws of physics.

**Interpreting scientific data and primary literature:** Students will demonstrate the ability to collect, analyze and interpret scientific data and interpret primary scientific literature.

**Communication:** Students will demonstrate the ability to communicate scientific findings via oral and written communication.

**Scientific skills:** Students will demonstrate appropriate laboratory skills including scientific technique, maintaining a laboratory notebook, and adhering to safety procedures.