

**Biology, Grade 12 – University Preparation
SBI4U0**

Students should be aware that this course has a heavy theoretical emphasis on biochemistry. The first two units (biochemistry and metabolism) rely on chemical foundations learned in Grade 11 Chemistry. Even though chemistry is not a prerequisite, it is highly recommended for best success in this course. The other three units involve the biochemistry of molecular genetics where we explore genetic processes in the cell as well as genetic engineering; homeostasis of nervous, endocrine, and excretory systems and population dynamics, where we look at the statistics related to understanding ecological concepts. This course will continue to refine skills related to scientific investigations.

Prerequisite: Biology, Grade 11, University Preparation (SBI 3U0)