

## **Biochemistry Program Outcomes**

Biochemistry graduates will demonstrate:

1. Knowledge in the areas of general, analytical, organic, physical, inorganic chemistry and biochemistry, and apply chemical principles and knowledge to solving chemical problems.
2. Knowledge in the areas of macromolecular structure, enzymology, intermediary metabolism for energy transformation along with molecular synthesis and degradation, molecular biology, classical and molecular genetics and cell biology.
3. An ability to use laboratory techniques and skills to effectively conduct experiments, interpret results, and accurately maintain a laboratory notebook.
4. Proficiency in the operation of modern instrumentation and the ability to analyze and interpret instrumental data.
5. An ability to search the scientific literature as well as read and comprehend content in professional scientific journals.
6. An ability to effectively communicate scientific information in written and oral forms.
7. Knowledge of the foundations and the practice of science from a Christian perspective.