

Pre-Health Sciences Pathway to Advanced Diplomas and Degrees

Program Learning Outcomes

Learning outcomes represent culminating demonstrations of learning and achievement. In addition, learning outcomes are interrelated and cannot be viewed in isolation of one another. As such, they should be viewed as a comprehensive whole. They describe performances that demonstrate that significant integrated learning by graduates of the program has been achieved.

The graduate has reliably demonstrated the ability to

1. Examine biological concepts, processes and systems of the human body, including genetics and epigenetics, as well as the structure, function and properties of the molecules of life, cells, tissues and organ systems in relation to homeostasis, physical development and health.
2. Examine concepts, processes and systems of chemistry, including atomic and molecular structure; quantities in chemical reactions; solutions and solubility; acids and bases; as well as organic chemistry and biochemistry in relation to health and the human body.
3. Solve numeric problems and interpret data related to health sciences and other science-related fields using mathematical concepts, including algebra and probability, along with descriptive and inferential statistics.
4. Use health sciences and other science- related language and terminology appropriately to communicate clearly, concisely, and correctly in written, spoken, and visual forms.
5. Prepare a personal strategy and plan for academic, career and professional development in the health sciences or other science- related fields.
6. Investigate health sciences and science- related questions, problems and evidence using the scientific method.
7. Examine fundamental physics laws and concepts and their application to health sciences and other science-related fields.