CANADORE college.ca

Functional Genomics and Clinical Consultation

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. Identify relevant evidence-based research, trends, technologies, and standards within the fields of functional genomics and genetic counseling to maintain currency in the industry.
2. Inter-relate and apply relevant biological concepts for the interpretation of genetic data.
3. Perform laboratory duties independently and in compliance with pertinent health and safety legislation and regulations.
4. Complete complex genomic applications using advanced principles of cell and molecular biology, pharmacology and toxicology, pathophysiology, endocrinology, and biochemistry.
5. Coordinate, implement and validate applied molecular genomics procedures in the laboratory according to industry guidelines.
6. Collaborate and communicate effectively with members of the inter-professional health care team to optimize the health and well-being of individuals, based on their genetic profile.
7. Develop and implement effective strategies for ongoing personal and professional development that support currency, competence and ethics in the functional genomics and genetic clinical consultation sectors.
8. Comply with legal obligations, as well as with the professional and ethical standards that ensure privacy, security and confidentiality in the access, retention, storage and disposal of personal genetic data and related health information.