

Environmental Management

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. apply various information technology tools to prepare, analyze and present environmental data effectively.
2. collect, analyse and disseminate technical information accurately and effectively in oral, written, and visual forms.
3. interpret environmental guidelines and use procedures employed in a variety of environmental assessment processes according to the required environmental audit standards.
4. identify and apply occupational health and safety standards, applicable municipal, provincial, and federal environmental compliance requirements, including those of the official Environmental Assessment (EA) process, for all projects and tasks.
5. collect, classify, preserve and perform routine tests on, representative environmental samples using appropriate testing equipment.
6. identify and explain various air and water pollution testing equipment and abatement technologies in different segments of the industry and private/residential sectors.
7. apply GIS and impact modelling technology to predict and mitigate environmental damage in a variety of situations.
8. interpret the effects of various environmental contaminants on plant, animal and human health.
9. plan, design, implement and maintain environmental projects and operations.
10. apply the basic scientific concepts of environmental processes to contribute to the development and implementation of environmental systems management.