

EVT Program Level Student Learning Outcomes

Students completing the Environmental Health and Safety Program will be able to:

- (1) Demonstrate knowledge of the terms, standards and processes related to occupational health and safety. (EVT105)
 - Demonstrate knowledge of the terms and concepts of occupational safety and health.
 - Demonstrate knowledge of occupational safety and health technology.
 - Demonstrate awareness of OSHA regulations.

- (2) Demonstrate the ability to conduct environmental audits. (EVT107)
 - Conduct environmental site assessments.
 - Design, support, and evaluate health and safety programs and implement procedures using project management principles and processes.
 - Collect, manage, and interpret data to identify trends and issues in the workplace.

- (3) Demonstrate knowledge of current laws and regulations related to the environment and how to establish strategies to ensure regulatory compliance. (EVT110)
 - Understand environmental regulations and the roles of public and private organizations in environmental regulatory compliance.
 - Apply relevant occupational health and safety federal and provincial legislation, industry standards, and best practices.

- (4) Demonstrate knowledge of proper sampling technique with regard to: preparation of sampling plan, type of samples to collect, sample collection techniques, and completion of required documentation. (EVT210)
 - Demonstrate knowledge of proper sampling technique.
 - Perform environmental sampling and analysis.

- (5) Understand the exposure to hazardous materials on the human body. (EVT220)

- (6) Demonstrate knowledge of the emergency planning techniques required for hazardous materials spills by design and/or evaluation of emergency response plans. (EVT250)
 - Design and/or evaluate emergency response plans

- (7) Demonstrate knowledge of workplace and environmental health hazards. (EVT260)
 - Recognize industrial safety hazard situations.
 - Apply the principles of risk management to anticipate, identify, evaluate, and control physical, chemical, biological, and psychosocial hazards.