

## Health, Safety and Environment Certificate Program Outline

The 300 hour Health, Safety and Environment Certificate is designed to provide basic instruction in the principles of workplace and environmental health and safety. The 300 hours is divided into 160 hours of core courses, at least 100 hours of optional courses, and up to 40 hours of electives. All students must complete 160 hours of instruction in five core courses:

- Occupational Hygiene: The Basics (40)
- Safety Techniques and Technology (40)
- Health and Safety Management Systems: The Basics (30)
- Occupational Health and Safety Law (30) **or** Environmental Law (30)
- Hazard Assessment and Risk Management (20)

The **General HSE Certificate (without specialization)** requires a minimum of 100 hours of instruction in courses from any of the three fields of specialization identified below.

The **HSE Certificate, with specialization in (1) Safety, (2) Occupational Health, or (3) Environment** requires a minimum of 100 hours of instruction from within one of the following categories:

Specialization in Safety minimum of 100 hours	Specialization in Occupational Health Minimum of 100 hours	Specialization in Environment Minimum of 100 hours
Human Behaviour in Organizations (40) Accident Theory and Incident Investigation (30) Ergonomics (30) Fire Prevention and Safety (30) Health and Safety Management Systems Auditing (30) Emergency Response (20) WCB Claims Management (20)	Human Behaviour in Organizations (40) Assessing Building Envelopes for Moulds (30) Ergonomics (30) Health and Safety Management Systems Auditing (30) Indoor Air Quality and Occupant Health (30) IAQ Investigation and Air Sampling Protocols (30) Air Monitoring and Gas Detection (20) Integrated Workplace Health Management (20) WCB Claims Management Health Risk Assessment (10) Naturally Occurring Radioactive Material (NORM) Management (10) Noise Issues and Strategies (10)	Human Behaviour in Organizations (40) Environmental Health and Safety Auditing (30) ISO 14000 Environmental Management Systems and Standards (30) Management Tools and Techniques for Environmental Issues (30) Environmental Stewardship and Sustainability (30) Waste Management Systems (30) Water Management for the 21 <sup>st</sup> Century (30) <b>or</b> Water and Wastewater Treatment for Small Scale Applications (30) Environmental Risk Management (15) Global Warming and Climate Change (15)

Any HSE student may take up to 40 hours of **electives**:

- Any course from another stream of the Health, Safety and Environment Certificate
- Management Communications (40)
- Performance Management and Training (40)
- Seminar Credit for seminars taken from partnering professional associations and other recognized educational providers (maximum of 30 hours based on 2/3 of classroom hours)