

Safety Engineering Technology (Post Diploma) Co-op

In the present economic climate, the human and financial costs of workplace accidents have increased to such an extent that they have become a negative factor in economic growth. Progressive companies and organizations are constantly looking for ways in which they can reduce costs and become more competitive. Due to recent changes in the Occupational Health & Safety Act and in the administration of Workers' Compensation employer assessments, employers are becoming increasingly aware that an opportunity exists for them to significantly improve efficiency and profitability through a reduction of losses due to accidents and occupational disease. Employer due diligence requirements have been considerably expanded with the implementation of these recent legislative changes.

Safety Engineering Technology (Post Diploma) Co-op utilizes a combination of engineering, physical and behavioural sciences to reduce and eliminate losses. The program consists of two academic terms which may be completed either full-time or part-time on a course credit basis. Completion of the Diploma also requires a cooperative education work term during which the student conducts a comprehensive on-the-job identification, analysis and evaluation of the various stages necessary to initiate or upgrade an existing safety program.

OBJECTIVES

1. To provide an understanding of the methods of recognition, evaluation and control of hazards to people, facilities, equipment and the environment.
2. To provide a high level of knowledge and skill in the development and implementation of programs, systems, procedures and techniques to reduce the ever increasing losses associated with accidents and occupational disease in industry, government and health care.

ENTRANCE REQUIREMENTS

Applicants must have graduated with a three-year diploma from a recognized college or a degree from a recognized University or Polytechnical Institute. Applicants who have graduated with a two-year diploma may also be accepted if they have significant (5 year minimum) progressive industry experience as a safety professional.

CURRICULUM

The curriculum includes a series of theoretical and practical subjects oriented toward the technical and management aspects of Occupational Health and Safety. The subject matter consists of several fundamental courses in occupational health, safety and environment which are supplemented by in-depth specialized courses in such areas as Occupational Hygiene, Fire Protection, Risk Management and Systematic Safety Management.

EMPLOYMENT OPPORTUNITIES

Graduates are prepared to take a proactive approach to occupational health and safety management. They may find employment as Safety Coordinators, Loss Prevention Specialists, Occupational Health and Safety Officers, Safety Auditors and Consultants. Potential employment opportunities include health care, construction, waste management, oil and gas, manufacturing and government.

TRANSFERABILITY

A number of courses in the Safety Engineering Technology (Post Diploma) Program can be used as credit toward other College programs.

NOTICE

The following conditions apply to work term WC1250 Safety Program Development.

Sequence

The work term must be completed in the sequence indicated in the College Calendar. Students will receive a failing grade if they do not comply with this requirement.

Eligibility

In order to be eligible for WC1250 Safety Program Development work term, a student must meet the following criteria:

1. Attain 100% credits in all subjects from the first semester;
2. Attain a cumulative G.P.A. of 2.00 or higher.

It is the responsibility of each student to obtain suitable employment for the work term. The College will assist with contacts, information and job leads.

All work term employment must be approved by the work term coordinator prior to the commencement of employment. A report must be submitted for each work term – detail and content of the report to be outlined by the work term coordinator in conjunction with the WC1250 Safety Program Development instructor. This report must be submitted to the appropriate Instructor on or before the deadline date. In special circumstances permission to submit a late report may be granted by the Work Term Coordinator. Late reports will not be graded unless prior permission is obtained.

When feasible, each student will be visited during the work term for evaluation of on-the-job performance.

Students who fail to honor an agreement to work with an employer, or who leave the work term employment without prior approval of the Work Term Coordinator, or who conduct themselves in such a manner as to cause their discharge from the job, will normally be awarded a failed work term.

A failed work term must be repeated to meet requirements for graduation, however, only one repeat is allowed.

POST DIPLOMA

- One year
- January start
- Ridge Road Campus (St. John's)

COURSES

CODE	TITLE	Hrs/wk		
		Cr	Le	La
Semester 1				
SE1020	Occupational Health & Safety Loss Control	3	3	0
SE1030	Occupational Hygiene I (Chemical Agents)	4	3	2
SE1070	Human Factors Engineering	3	3	1
SE1060	Workplace Safety Legislation	4	4	0
SE2050	Emergency Preparedness Planning	2	2	0
SE1400	Auditing OHS & Environmental Management Systems	3	3	0
SE1440	The Business Side of OHS	4	4	0
SE1470	Workers Compensation & Disability Management	3	3	0
Semester 2				
WC1250	Work Term Safety Program Development Co-op	5	4	0
Semester 3				
SE2020	Accident Prevention Engineering & Technology	3	3	0
SE2010	Systematic Safety Management	3	3	0
SE1010	Fire Protection	3	3	0
SE2040	Environmental Protection	3	3	0
SE2000	Occupational Hygiene II	4	3	2
SE2300	Quality Management Systems	3	3	0
SE2310	Management of Computer Technology & Databases	4	3	2
SE2320	Risk Management	3	3	0