

Workplace Hazardous Materials Information System in Career and Technology Studies (CTS) Programs of Study

This document identifies specific references to the Workplace Hazardous Materials Information System (WHMIS) in CTS programs of study.

Course	Outcome(s)
Health, Recreation & Human Services (HRH)	
CCS3020: Health Care 3	<p><i>The student will:</i></p> <ol style="list-style-type: none"> 1. explain safety requirements for individuals with special needs or conditions <ol style="list-style-type: none"> 1.5 describe the Workplace Hazardous Materials Information System (WHMIS) and Material Safety Data Sheets (MSDS) guidelines for working with hazardous materials
COS1010: Personal and Professional Practices	<p><i>The student will:</i></p> <ol style="list-style-type: none"> 4. successfully complete Workplace Hazardous Materials Information System (WHMIS) training <ol style="list-style-type: none"> 4.1 describe the three key elements of WHMIS 4.2 identify WHMIS hazard symbols 4.3 interpret the Material Safety Data Sheet (MSDS) 4.4 describe the location of a chemical storage area and the proper storage of chemicals 4.5 apply the requirements of WHMIS to the salon by: <ol style="list-style-type: none"> 4.5.1 describing environmental protections and material handling used in salon applications 4.5.2 describing personal protective equipment (PPE) and practices used in salon applications
FOD1010: Food Basics	<p><i>The student will:</i></p> <ol style="list-style-type: none"> 2. research common methods of hazard assessment and control <ol style="list-style-type: none"> 2.1 describe the three key elements of WHMIS 2.2 identify WHMIS hazard symbols 2.3 interpret the Material Safety Data Sheet (MSDS)
HCS3010: Workplace Safety Practices	<p><i>The student will:</i></p> <ol style="list-style-type: none"> 2. describe the principles and practices of workplace health and safety; e.g., control, pre-personal protection equipment (PPES), Workplace Hazardous Materials Information Systems (WHMIS)

HCS3010: Workplace Safety Practices continued	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 3. demonstrate an understanding of standards/legislated practices associated with workplace safety 3.5 demonstrate an understanding of standards/legislated practices associated with workplace chemical health and safety by: <ul style="list-style-type: none"> 3.5.1 examining and justifying the need for WHMIS legislation 3.5.2 identifying the classes of WHMIS-controlled products 3.5.3 describing the role of labels on containers of controlled products, and the type of information that would be found on the labels 3.5.4 describing the role of material safety data sheets, and the type of information that would be found on them 3.5.5 explaining the responsibilities of suppliers, employers and workers when it comes to the safe handling of chemicals in the workplace
TOU2040: Food and Beverage Service	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 7. research common processes and methods of hazard assessment and controls within the food industry 7.2 identify and correctly interpret hazardous product symbols; e.g., WHMIS
Media, Design & Communication Arts (MDC)	
COM1165: Printing 1	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 3. demonstrate a working knowledge of Workplace Hazardous Materials Information System (WHMIS) safety standards and responsible environmental and workplace procedures; e.g., personal protective equipment (PPE), chemical handling
Natural Resources (NAT)	
AGR2095: Indoor Plants	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 4. demonstrate safe practices regarding chemical use on indoor plants <ul style="list-style-type: none"> 4.1 recognize WHMIS symbols

AGR3000: Agriculture Safety	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 2. examine and demonstrate standards/practices associated with agricultural health and safety 2.5 examine and demonstrate standards/practices associated with workplace chemical health and safety by: <ul style="list-style-type: none"> 2.5.1 examining and justifying the need for WHMIS legislation 2.5.2 identifying the classes of WHMIS controlled products 2.5.3 describing the role of labels on containers of controlled products and describing the type of information that would be found on them 2.5.4 describing the role of material safety data sheets and describing the type of information that would be found on them 2.5.5 explaining the responsibilities of suppliers, employers and workers when it comes to the safe handling of chemicals in the workplace 2.5.6 identifying risk management techniques associated with agricultural chemicals in regard to transportation, storage, spills, handling, exposure and disposal
WLD1100: Outdoor Cooking Theory	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 2. describe factors relating to the safe handling of tools, equipment and products <ul style="list-style-type: none"> 2.1 identify and correctly interpret hazardous product symbols (WHMIS)
Trades, Manufacturing & Technology (TMT)	
CON1120: Product Management	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 4. apply the use of a technological system to construct a simple product with multiple parts <ul style="list-style-type: none"> 4.3 match the manufacturer's recommendations and Workplace Hazardous Materials Information System (WHMIS) regulations when using hazardous finishing materials
CON2150: Finishing and Refinishing	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 2. identify and describe the health hazards and Workplace Hazardous Materials Information System (WHMIS) regulations associated with the products used in finishing/refinishing <ul style="list-style-type: none"> 2.1 describe the manufacturers' recommendations and WHMIS regulations that apply to the use and storage of a given product
ELT3010: Electro-Assembly 3	<p><i>The student will:</i></p> <ul style="list-style-type: none"> 5. demonstrate established laboratory procedures and safe work practices <ul style="list-style-type: none"> 5.4 use Workplace Hazardous Materials Information System (WHMIS) data sheets

LOG1020: Warehouse and Distribute 1	<i>The student will:</i> 2. identify, describe and demonstrate materials handling: 2.2 identify and demonstrate safe work practices associated with: 2.2.3 Workplace Hazardous Materials Information System (WHMIS) requirements
LOG2010: Warehouse and Distribute 2	<i>The student will:</i> 3. demonstrate basic skills in shipment preparation including: • document selection and completion 3.6 prepare and complete shipping documentation; e.g., manifests, packing slips, bills of lading, Material Safety Data Sheets (MSDS) for Workplace Hazardous Materials Information System (WHMIS) products
LOG3010: Warehouse and Distribute 3	<i>The student will:</i> 2. demonstrate competencies in: • labelling 2.2 demonstrate ability to read, interpret, select and affix appropriate labels; e.g., shipping instructions, content identification, Workplace Hazardous Materials Information System (WHMIS) needs, quantity, mass, handling instructions; e.g., fragile, this side up
MEC2200: Refinishing 1	<i>The student will:</i> 1. demonstrate safe practices and follow all warnings identified by product manufacturers, Workplace Hazardous Materials Information System (WHMIS), and Occupational Health and Safety
MEC3200: Refinishing 2	<i>The student will:</i> 1. demonstrate safe work practices and follow all warnings identified by product manufacturers, Workplace Hazardous Materials Information System (WHMIS), and Occupational Health and Safety
MEC3230: Refinishing 3	<i>The student will:</i> 1. demonstrate safe work practices, and follow all product warnings and labels identified by the product manufacturers, Workplace Hazardous Materials Information System (WHMIS), and Occupational Health and Safety
Career Transitions (CTR)	
CTR1010: Job Preparation	Guide to Standards and Implementation Concept: Expectations, Rights and Responsibilities <i>The student will:</i> <ul style="list-style-type: none"> • identify Occupational Health and Safety requirements of selected jobs • describe “Workplace Hazardous Materials Information System”: <ul style="list-style-type: none"> – explain WHMIS – identify WHMIS symbols and explain their meaning – identify employer responsibilities regarding WHMIS – identify employee responsibilities regarding WHMIS – describe availability of WHMIS certification

Apprenticeship	
All 3900 Apprenticeship Safety Courses	<p><i>The student will:</i></p> <p>3. describe the safety practices for hazardous materials and fire protection in the _____ apprenticeship trade</p> <p>3.1 describe the roles, responsibilities, features and practices related to the Workplace Hazardous Materials Information System (WHMIS) program, including:</p> <p>3.1.1 suppliers', employers' and employees' responsibilities</p> <p>3.1.2 WHMIS classifications</p> <p>3.1.3 health effects from exposure to chemicals</p> <p>3.2 describe the three key elements of WHMIS, including:</p> <p>3.2.1 worker education</p> <p>3.2.2 supplier and workplace product labelling</p> <p>3.2.3 material safety data sheets</p>