

Training Requirements Chart

Ontario's Ministry of Labour, Immigration, Training and Skills Development (MLITSD) sets, communicates, and enforces workplace health and safety standards. IHSA develops training programs that meet these standards and delivers them to the industries we serve.

Health and safety training gives workers the knowledge to recognize the hazards they face and do their jobs safely. It also helps employers fulfil their duty to protect worker health and safety.

Sometimes, however, workers do not have the training required by law. They may not know they need it, and their employer may not know they have a duty to provide it. For example, the employer must ensure that workers complete working at heights (WAH) training. But they must also receive instruction on the site-specific hazards they may encounter and the equipment they will be using.

This guide outlines the health and safety training required by law in Ontario.



Employers

The *Occupational Health and Safety Act* (OHSA) requires employers to:

- Provide information and instruction to workers to protect their health or safety (OHSA, s.25(2)(a)).
- Carry out training programs for workers, supervisors, and committee members as prescribed (OHSA, s.26(1)(l)).

Specific training requirements are spelled out in the regulations made under the OHSA, such as the duty of employers to ensure that workers and supervisors complete a basic occupational health and safety awareness training program (O. Reg. 297/13, s.1 and 2).

Training requirements are also found in regulations under the *Technical Standards and Safety Act*, 2000 (TSSA) and the *Workplace Safety and Insurance Act* (WSIA).

Workers

The OHSA and its associated regulations assigns many responsibilities to a **competent person** or **competent worker**. By definition, the person or worker must be qualified because of **knowledge, training, and experience** to either organize or perform the work. Therefore, anyone performing a duty that is assigned to a competent person or competent worker **MUST** be trained.

The training requirements listed in this chart are found in the following acts and regulations:

Occupational Health and Safety Act (OHSA)

- **Asbestos on Construction Projects** (Reg.278/05)
- **Control of Exposure to Biological or Chemical Agents** (Reg.833)
- **Confined Spaces** (Reg.632/05)
- **Construction Projects** (Reg.213/91)
- **Designated Substances** (Reg.490/09)
- **Industrial Establishments** (Reg.851)
- **Mines and Mining Plants** (surface mines only) (Reg.854)
- **Noise** (Reg.381/15)
- **Occupational Health and Safety Awareness and Training** (Reg.297/13)
- **Window Cleaning** (Reg.859)
- **WHMIS** (Reg.860)

Technical Standards and Safety Act (TSSA)

- **Fuel Industry Certificates** (O. Reg. 215/01)
- **Gaseous Fuels** (O. Reg. 212/01)
- **Propane Storage and Handling** (O. Reg. 211/01)

Workplace Safety and Insurance Act (WSIA)

- **First Aid Requirements** (O. Reg. 1101)

IHSA offers classroom-based, hands-on, and eLearning courses that meet many of the training requirements in this chart. Visit the **Training** section of **ihsa.ca** for more information.



Employers must ensure that workers who may use fall protection complete an approved WAH course



Every worker who enters a confined space must have adequate training to perform the work safely



Workers must be trained before using a suspended work platform system

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Asbestos	Worker who works in a Type 1, Type 2, or Type 3 asbestos operation	Instruction and training provided by a competent person in the hazards of asbestos exposure, personal hygiene and work practices, and the use, cleaning, and disposal of respirators and protective clothing <i>IHSA offers Asbestos Work in Construction to meet this requirement.</i>	Asbestos on Construction Projects (Reg.278/05), s.19(1) and (3)
	Worker who is involved in a Type 3 operation	IHSA's Asbestos Abatement Worker (or an equivalent program approved by the MLITSD)	Asbestos (Reg.278/05), s.20(1)(a)
	Supervisor who is involved in a Type 3 operation	IHSA's Asbestos Abatement Supervisor (or an equivalent program approved by the MLITSD)	Asbestos (Reg.278/05), s.20(1)(b)
Biological, Chemical, or Physical Agents	See Hazardous Material and Personal Protective Equipment (PPE)		
Carbon Monoxide (CO)	Worker who carries out testing for airborne concentrations of CO in an enclosed structure where an internal combustion engine is being operated	Competent worker <i>IHSA offers Basics of Carbon Monoxide in Construction eLearning course.</i>	Construction Projects (Reg.213/91), s.47(4)
	Worker who regularly tests the air and the mechanical ventilation for an underground workplace to ensure that the mechanical ventilation is adequate	Competent worker <i>IHSA offers Basics of Carbon Monoxide in Construction eLearning course.</i>	Construction Projects (Reg.213/91), s.330(2)
Certified Member	See Joint Health and Safety Committee (JHSC) Certification		
Chainsaw See also: Logging	Worker who uses a chainsaw (Employers involved in logging operations must follow the Logging training requirements.)	Training in the use of a chainsaw <i>IHSA offers Chainsaw Operation and Maintenance.</i>	Construction Projects, s.112(1.1)
Compressed Air	Worker who is appointed by the employer as the superintendent of all work in compressed air at a project	Competent person	Construction Projects, s.336(1)
	Worker who is designated by the superintendent as lock tender at a project and attends to the controls of an air lock	Competent worker Can speak, read, and write English competently	Construction Projects, s.337(1)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Compressed Air (cont'd)	Worker who is subjected to compressed air	Instructed in the hazards of working in compressed air and the health and safety measures	Construction Projects, s.336(2)
	Worker who is designated by the superintendent to perform the duties of the lock tender in an emergency (at least one)	Competent worker	Construction Projects, s.337(3)
	Worker who is designated by the superintendent to be in charge of the air compressors for a work chamber and air lock	Competent worker	Construction Projects, s.359(1)
Confined Spaces	Firefighter or gas technician who performs emergency work in a confined space	Training in safe work practices and in the recognition of hazards associated with confined spaces <i>IHSA offers Confined Space courses to meet this requirement.</i>	Confined Spaces (Reg.632/05), s.3 and 8
	Person who carries out a hazard assessment related to the confined space before a worker enters	Person with adequate knowledge, training, and experience to carry out the assessment	Confined Spaces, s.6
	Person who develops and implements the written plan for the confined space, including procedures to control hazards identified in the assessment	Competent person	Confined Spaces, s.7
	Every worker who enters a confined space or performs related work at a workplace that is not a project Every worker who enters a confined space or performs related work at a workplace that is a project	Training to perform the work safely in accordance with the employer's written plan Training in the recognition of hazards associated with confined spaces Training in safe work practices for working in confined spaces and performing related work <i>IHSA offers Confined Space courses to meet this requirement.</i>	Confined Spaces, s.8 and 9 Confined Spaces, s.9.1
	Person who trains workers who enter confined spaces or perform related work at a workplace that is not a project	Knowledge, training, and experience to conduct the training	Confined Spaces, s.8
	Person who verifies that the entry permit complies with the relevant plan before each shift	Competent person	Confined Spaces, s.10(3)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Confined Spaces (cont'd)	Persons who are available for immediate implementation of the on-site rescue procedures	Trained in on-site rescue procedures in accordance with the employer's written plan Trained in first aid and CPR Trained in the use of rescue equipment as required by the employer's written plan	Confined Spaces, s.11
	Person who inspects the rescue equipment as often as necessary to ensure it is in good working order	Person with adequate knowledge, training, and experience	Confined Spaces, s.12(1)
	Person who performs tests before and while a worker is in a confined space to ensure that acceptable atmospheric levels are maintained in accordance with the plan	Person with adequate knowledge, training, and experience	Confined Spaces, s.18
	Person who inspects respiratory protective equipment, locating equipment, rescue equipment, and any other safety equipment used by workers entering the confined space	Person with adequate knowledge, training, and experience	Confined Spaces, s.19 and 20
Cranes, Hoisting, and Rigging	Worker who operates a crane or similar hoisting device capable of raising, lowering, or moving material that weighs more than 30,000 lb	Hoisting Engineer – Mobile Crane Operator 1 (Certificate of Qualification)	Construction Projects, s.150(1)(a)
	Worker who operates a crane or similar hoisting device capable of raising, lowering, or moving material that weighs between 16,000 and 30,000 lb	Hoisting Engineer – Mobile Crane Operator 2 (Certificate of Qualification)	Construction Projects, s.150(1)(b)
	Worker who operates a tower crane	Hoisting Engineer – Tower Crane Operator (Certificate of Qualification)	Construction Projects, s.150(1)(c)
	Worker who operates a rotary foundation drill rig with an effective torque greater than 270 kN-m	Hoisting Engineer – Mobile Crane Operator 1 (Certificate of Qualification)	Construction Projects, s.156.8(1)
	Worker who operates a rotary foundation drill rig with an effective torque between 190 and 270 kN-m	Hoisting Engineer – Mobile Crane Operator 1 OR Hoisting Engineer – Mobile Crane Operator 2 (Certificate of Qualification)	Construction Projects, s.156.8(1)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Cranes, Hoisting, and Rigging (cont'd)	Worker who operates a rotary foundation drill rig with an effective torque between 50 and 190 kN-m	Hoisting Engineer – Mobile Crane Operator 1 (C of Q) OR Hoisting Engineer – Mobile Crane Operator 2 (C of Q) OR Training on the operation of a 0-8 ton mobile crane	Construction Projects, s.156.8(3)
	Worker who operates a rotary foundation drill rig with an effective torque less than 50 kN-m	Training in the operation of the drill rig, demonstrates adequate knowledge and proficiency, and is authorized by the employer	Construction Projects, s.156.6(1)
	Worker who operates a crane or similar hoisting device (other than the ones listed above)	Training in the safe operation of a crane or hoisting device <i>IHSA offers a hands-on Mobile Crane Operator 0-8 Ton course.</i>	Construction Projects, s.150(2)
	Worker who visually inspects the crane's structural elements and rigging equipment for defects before each use	Competent worker	Construction Projects, s.153(9)
	Worker who is involved with the hoisting operation of a device (platform, bucket, etc.) that is capable of moving and is supported by a cable attached to the boom	Instructions about requirements, restrictions, and hazards of the hoisting operation <i>IHSA offers Hoisting and Rigging—Basic Safety Training.</i>	Construction Projects, s.153(12)
	Worker who sets-up, assembles, extends, and dismantles a crane or similar hoisting device	Competent worker	Construction Projects, s.154(1)
	Person who visually inspects the structural elements and components of a tower crane for defects after the crane is erected and before it is used, and at 12-month intervals	Professional engineer OR Competent worker designated by the professional engineer	Construction Projects, s.159(1)
	Person who inspects a repaired tower crane to ensure the defects are corrected	Professional engineer OR Competent worker designated by the professional engineer	Construction Projects, s.159(3)
	Worker who performs operational tests on the automatic limit switches and overload limit devices of a tower crane	Competent worker	Construction Projects, s.161(1)
	Worker who visually inspects all cable used by a crane or similar hoisting device at least once a week when it is being used	Competent worker	Construction Projects, s.170(1)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Cranes, Hoisting, and Rigging (cont'd)	Worker who is designated as a signaller and who warns the operator of a hoisting device each time the equipment or load may approach the minimum distance to an energized overhead electrical conductor	Competent worker Oral training in their duties and oral and written instructions in a language that they understand <i>IHSA offers Hoisting and Rigging—Basic Safety Training.</i>	Construction Projects, s.188(8) and 106(1.5)
	Person who inspects the supporting surface and path of travel of a rotary foundation drill rig that can exert a ground pressure of 200 kPa or more	Professional engineer OR Person under the direction of a professional engineer OR Competent worker OR Person with specified qualifications (as determined by a professional engineer)	Construction Projects, s.156.4(2)(j)
	An operator of mobile cranes, shovels and boom trucks, or similar equipment at a surface mine, whereby rope is wound onto a drum driven by an engine for the purpose of raising, lowering or swinging materials	Hoisting Engineer – Mobile Crane Operator 1 (C of Q) OR Hoisting Engineer – Mobile Crane Operator 2 (C of Q) OR Hoisting Engineer – Tower Crane Operator (C of Q) OR Be qualified in accordance with an approved program	Mines and Mining Plants (Reg.854), s.201(1)
	Person who inspects mobile cranes, shovels, boom trucks, and similar equipment at a surface mine for safe and proper condition before the start of each workshift and at regular intervals	Competent person	Mines and Mining Plants, s.201(1)
	Person who operates a production (i.e., overhead) crane at a surface mine	Competent person who is in possession of a subsisting crane operator's medical certificate <i>IHSA offers a hands-on Overhead Crane Operator course.</i>	Mines and Mining Plants, s.195(12)
	Person who tests devices that may affect the safe operation of an overhead crane before it is first used at a surface mine Person who examines and services these devices while the overhead crane is in use	Trained in and using the test requirements contained in CSA Standard B167-1964 "General Purpose Electric Overhead Travelling Cranes"	Mines and Mining Plants, s.195(6) and (6.1)
Designated Substances	See Hazardous Material and Personal Protective Equipment (PPE)		
Drowning	Workers (at least two) who perform rescue operations if a worker may drown at a project	Training to perform rescue operations	Construction Projects, s.27(2)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Electrical Hazards	Worker who performs work on or near electrical transmission or distribution systems	Competent worker (see definition of Authorized Worker in Electrical Utility Safety Rules, s.106)	Construction Projects, s.181 Industrial Establishments, s.42.2
	Worker who connects, maintains, or modifies electrical equipment or installations	Electrician – Construction and Maintenance (Certificate of Qualification) OR Electrician – Domestic and Rural (if scope of work is limited to that trade) OR Otherwise permitted under the Building Opportunities in the Skilled Trades Act, 2021 or the TSSA, 2000	Construction Projects, s.182(1)
	Worker who is designated as a signaller and warns the operator of a hoisting device, vehicle, or equipment each time the equipment or load may approach the minimum distance to an energized overhead electrical conductor	Competent worker <i>IHSA offers:</i> <ul style="list-style-type: none"> • Hoisting and Rigging—Basic Safety Training • Electrical Safety Awareness—High Voltage 	Construction Projects, s.188(8)
	Worker who supervises work being done on or near electrical equipment that has been disconnected but not locked out to ensure that a circuit is not inadvertently energized	Competent worker	Construction Projects, s.190(9)(b)(ii)
	Worker who can perform rescue operations for work being done on or near energized exposed parts of electrical equipment when it is not possible to disconnect it from the power source	Competent worker who can perform CPR OR Competent person who can perform artificial respiration	Construction Projects, s.191(8) Industrial Establishments, s.42.1(3)
	Worker who may be exposed to electrical shock or burn while performing work	Training in the proper use, care, and storage of rubber gloves and leather protectors <i>IHSA offers Rubber Glove Techniques to 36 kV.</i>	Construction Projects, s.193(6)
	Person in charge of electrical equipment at a surface mine	Competent in the electrical trade	Mines and Mining Plants (Reg.854), s.155(4)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Elevating Work Platforms (EWPs)	Worker who operates an elevating work platform	Oral and written instruction on the operation of an EWP and training to operate the class of EWP to be used	Construction Projects, s.147 (1) and (2)
	Worker who inspects an elevating work platform each day before use in accordance with the manufacturer's instructions	Instruction and training that includes: <ul style="list-style-type: none"> • Manufacturer's instructions • Load limitations • Limitations on the kinds of surfaces the EWP is designed to be used on • A hands-on demonstration of the proper use of all controls <i>IHSA offers Elevating Work Platforms.</i>	Construction Projects, s.144(3)(b)
Explosives	Worker who is in charge of the blasting operations as designated by the employer responsible for blasting	Competent worker	Construction Projects, s.196(1)
	Worker who handles, transports, prepares, and uses explosives on a project	Competent worker OR Worker under the direct personal supervision of a competent worker	Construction Projects, s.197
	Worker who uses a device used for firing a charge	Competent worker	Construction Projects, s.325(2)
	Person who designs each primary blast at a surface mine Person who ensures that each blast is carried out according to the design	Competent person	Mines and Mining Plants (Reg.854), s.142
Explosive Actuated Fastening Tool	Worker who uses an explosive actuated fastening tool	Training in the use of an explosive actuated fastening tool	Construction Projects, s.117(1) and (2)
	Worker who uses a hand-held nailing gun or similar tool	Competent person who is wearing eye protection	Industrial Establishments, s.38
	Person who operates an explosive actuated tool or explosive actuated system at a surface mine	Competent person	Mines and Mining Plants (Reg.854), s.181(3)
Excavation	Person who supervises the removal of a support system for the walls of an excavation	Competent person	Construction Projects, s.239(4)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Fall Protection	<p>Worker who is required to use any of the following methods of fall protection:</p> <ul style="list-style-type: none"> • Travel restraint system • Fall restricting system • Fall arrest system • Safety net • Work belt or safety belt <p>Worker who may use a fall protection system</p>	<p>Working at heights (WAH) training that has been approved by the Chief Prevention Officer</p> <p>Adequately trained in the use of a fall protection system and given adequate oral and written instructions by a competent person</p> <p><i>IHSA's Working at Heights—Fundamentals of Fall Prevention meets this training requirement.</i></p> <p>NOTE: The employer must also ensure site-specific training is provided.</p> <p>WAH training that has not expired (i.e., no more than three years from the completion date)</p> <p><i>IHSA's Working at Heights—Refresher meets this requirement.</i></p>	<p>OHS Awareness and Training (Reg.297/13), s.6-10</p> <p>Construction Projects, s.26.2</p>
	Person who provides site-specific training to a worker in the use of a fall protection system and gives adequate oral and written instructions	<p>Competent person who must prepare and sign a written training and instruction record for each worker</p> <p><i>IHSA offers Working at Heights—Instructor Workshop.</i></p>	Construction Projects, s.26.2(1) and (2)
	Worker who inspects the travel restraint system, fall restricting system, or fall arrest system before each use	Competent worker	Construction Projects, s.26.4(3), 26.5(2), and 26.6(6)
	Worker who installs the safety net	Competent worker	Construction Projects, s.26.8(2)
	Person who inspects and tests the installation of the safety net before it's put in service	Professional engineer OR Competent person under the supervision of a professional engineer	Construction Projects, s.26.8(3)
	Person who inspects the horizontal lifeline system before each use	Professional engineer OR Competent worker designated by a supervisor	Construction Projects, s.26.9(8)5
Fire Safety	Worker who may be required to use fire extinguishing equipment	Training in its use	Construction Projects, s.52(1.1)
	Worker who inspects fire extinguishers for defects or deterioration at least monthly	Competent worker	Construction Projects, s.55

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Fire Safety (cont'd)	Person who inspects fire-extinguishing equipment, fire suppression systems, fire hydrants, and fire doors at a surface mine	Competent person	Mines and Mining Plants (Reg.854), s.41(5)
	Workers at each surface mine who carry out procedures in case of a fire	Trained in the fire-fighting procedures and tested for proficiency at least once a year	Mines and Mining Plants, s.41(3)
	Person who uses hot work equipment (e.g., welding or cutting equipment, blow torch) in areas or buildings where fire may endanger mine	Competent person or under the direction of a competent person	Mines and Mining Plants, s.36
First Aid	Worker who is in charge of a first aid station at a workplace employing 5 workers or less	Emergency First Aid Certificate (Must work in the immediate vicinity of the station)	First Aid Requirements (Reg.1101), s.8(2)
	Worker who is in charge of a first aid station with a first aid box at a workplace employing 6 to 15 workers	Standard First Aid Certificate (Must work in the immediate vicinity of the box)	First Aid Requirements, s.9(2)
	Worker who is in charge of a first aid station with a first aid box at a workplace employing 16 to 199 workers	Standard First Aid Certificate (Must work in the immediate vicinity of the box)	First Aid Requirements, s.10(2)
	Person who is in charge of a first aid room at a workplace employing more than 200 workers	Registered nurse OR Standard First Aid Certificate (Must work in the immediate vicinity of the room and not perform other work)	First Aid Requirements, s.11(2)
	Worker who is in charge of the naloxone kit at a workplace where there may be a risk of a worker having an opioid overdose	Training to recognize an opioid overdose, to administer naloxone, and to acquaint the worker with any hazards related to the administration of naloxone	OHSA, s.25.2
	Worker who is appointed by the project supervisor to give first aid at a shaft or tunnel	Competent worker	Construction Projects, s.261
	Worker who is available on each shift at a surface mine to use breathing and resuscitating equipment where workers may be endangered by lack of oxygen or the presence of a noxious gas, fume, or dust	Trained in the use of breathing and resuscitating equipment	Mines and Mining Plants (Reg.854), s.13(1)
Formwork	Person who inspects formwork and falsework before concrete placement	Professional engineer OR Competent worker designated in writing by a professional engineer	Construction Projects, s.89(3)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Hazardous Material (e.g., Biological, Chemical, or Physical Agents, Designated Substances) See also: Personal Protective Equipment (PPE)	Worker who is exposed or likely to be exposed to a hazardous material or to a hazardous physical agent	Instruction and training as prescribed by law that is developed and implemented by the employer in consultation with the company's JHSC or HSR and is reviewed at least annually	OHSA, s.42
	Worker who works with a hazardous product or who may be exposed to a hazardous product in the course of their work	Informed about all hazards concerning the use, storage, and handling of hazardous products the worker may be exposed to in the course of their work Instructed in <ul style="list-style-type: none"> • The contents required on labels and safety data sheets and the purpose and significance of this information • Procedures for the safe use, storage, handling, and disposal of the hazardous product • Procedures to be followed when fugitive emissions are present or in case of emergency <i>IHSA offers both a WHMIS 2015 classroom and eLearning course.</i>	WHMIS (Reg.860), s.6-7
	Worker who may be exposed to a biological, chemical, or physical agent that may endanger safety or health	Training in: <ul style="list-style-type: none"> • the precautions and procedures for handling, use, and storage of the agent • the proper use and care of required personal protective equipment • the proper use of emergency measures and procedures <i>IHSA offers both a WHMIS 2015 classroom and eLearning course.</i>	Industrial Establishments (Reg.851), s.130
	Worker who is likely to be exposed to a designated substance that may affect their health	A training program for supervisors and workers on the health effects of the designated substance and the measures and procedures required under the control program <i>IHSA offers Basics of Asbestos and Basics of Silica eLearning courses.</i>	Designated Substances (Reg.490/09), s.20(1)
	Worker who performs or directs the performance of procedures for monitoring, sampling, and determining airborne concentrations of a designated substance and worker exposure	Knowledge, training and experience in industrial hygiene practice	Designated Substances (Reg.490/09), s.24(1)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Hazardous Material (cont'd) See also: Personal Protective Equipment (PPE)	Worker who is available on each shift at a surface mine to use breathing and resuscitating equipment where workers may be endangered by lack of oxygen or the presence of a noxious gas, fume, or dust	Trained in the use of breathing and resuscitating equipment	Mines and Mining Plants (Reg.854), s.13(1)
Health and Safety Representative (HSR)	Non-management worker selected by other workers to be the HSR at a project or other workplace where no JHSC committee is required and where the number of workers regularly exceeds five	Training to enable them to effectively exercise the powers and perform the duties of a HSR <i>The following IHSA courses are recommended:</i> <ul style="list-style-type: none"> • JHSC Certification—Part One (Generic) • JHSC Certification—Part Two (Sector-Specific) • JHSC Certification—Refresher every 3 years <i>IHSA's online Health and Safety Representative eLearning may be taken as a minimum.</i>	OHSA, s.8(5.1)
Helicopter	Pilot of a helicopter that is hoisting materials	Competent to fly an externally loaded helicopter	Construction Projects, s.167(1)
	Ground personnel including a signaller for a helicopter being used to hoist materials	Competent worker	Construction Projects, s.167(3)
Joint Health and Safety Committee (JHSC) Certified Member	Member of a JHSC who is designated to become a certified member (at least one member representing management and one member representing workers must be certified)	Training necessary to enable a member to become a Certified Member of a JHSC and perform their duties effectively. JHSC Certification training that has been approved by Ontario's Chief Prevention Officer (CPO) <i>The following IHSA courses are CPO-approved and meet the JHSC training requirements:</i> <ul style="list-style-type: none"> • JHSC Certification—Part One • JHSC Certification—Part Two (Construction, Transportation, Utilities, or Aggregates) • JHSC Certification—Refresher every 3 years 	OHSA, s.9 OHS Awareness and Training (Reg.297/13), s.5

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Lifting Devices	Person who operates a lifting device	Competent person OR Worker being instructed by a competent person	Industrial Establishments, s.51(2)(a)
	Person who examines a lifting device to determine its capability of handling the maximum rated load	Competent person <i>IHSA offers several Lift Truck Operator courses (classroom-based and hands-on training).</i>	Industrial Establishments, s.51(1)(b)
	Person who examines and tests components of a lifting device before initial use at a surface mine and at regular intervals Person who supervises this work when a combination of lifting devices is used simultaneously	Competent person Competent person	Mines and Mining Plants (Reg.854), s.192(5) and (7)
Logging	Person who works as a cutter or as a skidder operator at a logging operation	The following government-approved training programs: <ul style="list-style-type: none"> • Cutter-Skidder Operator (P750000) • Cutter (P750010) • Skidder-Operator (P750020) 	Industrial Establishments, s.105(1)1
	Person who operates mechanical harvesting equipment at a logging operation	The following government-approved training programs: <ul style="list-style-type: none"> • Mechanical Harvesting Equipment Operator—Common Core (P750025), • Feller-Buncher Operator (P750035) • Cut-to-length Process Operator (P750045) • Grapple Skidder Operator (P750055) • Forwarder/Transporter Operator (P750065) • Delimber Operator (P750075) • Slasher Operator (P750085) • Chipper Operator (P750095) 	Industrial Establishments, s.105(1)2
	Worker who supervises the operation of mechanical harvesting equipment at a logging operation	The following government-approved training program: <ul style="list-style-type: none"> • Mechanical Harvesting Equipment Operator – Common Core (P750025) 	Industrial Establishments, s.106.2(1)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Mechanical Equipment	Worker who inspects mechanically powered vehicles, machines, tools and equipment rated at more than 10 hp to identify any defects or hazardous conditions	Competent worker	Construction Projects, s.94(1)
Mobile Equipment	Mobile equipment operator	Competent person OR Worker being instructed who is accompanied by a competent person	Industrial Establishments, s.54
	Signaller	Competent person <i>IHSA offers Signaller and Traffic Control Person.</i>	Industrial Establishments, s.56
Occupational Health and Safety Awareness See also: <ul style="list-style-type: none"> • Workers • Supervisors 	Worker who performs work for an employer	Must complete a basic occupational health and safety awareness training program as soon as practicable <i>IHSA's new Entry-Level Construction meets the CPO training standard for Construction Health and Safety Awareness Training (CHSAT).</i> <i>MLITSD's Worker Health and Safety Awareness in 4 Steps meets the minimum training requirements.</i>	OHS Awareness and Training (Reg.297/13), s.1(1)
	Supervisor who performs work for an employer	Must complete a basic occupational health and safety awareness training program within one week <i>IHSA's Basics of Supervising meets the training requirements.</i> <i>MLITSD's Supervisor Health and Safety Awareness in 5 Steps meets the minimum requirements.</i>	OHS Awareness and Training (Reg.297/13), s.2(1)
Personal Protective Equipment (PPE) See also: Hazardous Material	Worker who is required to wear protective clothing or use PPE or devices	Instruction and training in the care and use of the clothing, equipment, or device before wearing or using it	Construction Projects, s.21(3)
	Worker who is required to wear or use any protective clothing, equipment, or device	Instruction and training in the care and use of the protective clothing, equipment, or device before wearing or using	Industrial Establishments, s.79

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Personal Protective Equipment (PPE) (cont'd) See also: Hazardous Material	Worker who has been provided with a respirator by the employer	Training and instruction in the care and use of a respirator, including limitations, inspection and maintenance, proper fitting, and cleaning and disinfection	Biological or Chemical Agents, s.9 Designated Substances, s.26.1
	Person who properly fits workers with personal protective clothing or equipment at a surface mine	Competent person or persons	Mines and Mining Plants (Reg.854), s.12(4)
	Worker who is available on each shift at a surface mine to use breathing and resuscitating equipment where workers may be endangered by lack of oxygen or the presence of a noxious gas, fume, or dust	Trained in the use of breathing and resuscitating equipment	Mines and Mining Plants (Reg.854), s.13(1)
	Worker who has been provided with a hearing protection device by the employer	Training and instruction in the care and use of the device, including limitations, proper fitting, inspection and maintenance, and cleaning and disinfection <i>IHSA offers Basics of Hearing Protection eLearning.</i>	Noise (Reg.381/15), s.3
Pipes, Pipelines, Tanks, or other Containers	Person who carries out processing and maintenance at a petro-chemical plant under controlled conditions	Competent person	Industrial Establishments, s.62(2)
	Person who carries out hot-tapping and boxing-in when repairing or altering a drum, tank, pipeline, or other container under controlled conditions that provide for the protection of all persons	Competent person	Industrial Establishments, s.78(2)
	Worker who carries out hot-tapping and boxing-in when repairing or altering a drum, tank, pipeline, or other container under controlled conditions that provide for the protection of all persons	Competent worker	Construction Projects, s.48(2)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Pipes, Pipelines, Tanks, or other Containers (cont'd)	Worker who carries out hot-tapping and boxing-in when repairing or altering a drum, tank, pipeline, or other container under controlled conditions that provide for the protection of all persons	Competent worker	Construction Projects, s.48(2)
Propane	Person who may activate a propane, natural gas, or oil-fired construction heater or torch with an input of 400,000 Btuh or less and connect or disconnect it from piping, tubing, refuelling appliance, container, or natural gas meter	TSSA CH-02 certificate or equivalent record of training <i>IHSA's Propane in Construction meets the training requirements.</i>	Fuel Industry Certificates (Reg.215/01), s.48
	Person who may activate and operate a propane-fired tar pot heater with an input of any Btuh and connect or disconnect it from piping, tubing, or a container	TSSA RE-O certificate or equivalent record of training <i>IHSA's Propane in Roofing meets the training requirements.</i>	Fuel Industry Certificates (Reg.215/01), s.51
Roofing	Worker who operates a hoist used on a roof	Competent worker	Construction Projects, s.209(2)
	Worker who operates a hot tar or bitumen roadtanker or kettle	Competent worker <i>IHSA offers Propane in Roofing.</i>	Construction Projects, s.211(1)
Scaffolds	Person who inspects the scaffold before it is used	Professional engineer OR Competent worker designated by the project supervisor	Construction Projects, s.130(3)
	Worker who supervises the erection, alteration, and dismantling of a scaffold	Competent worker <i>IHSA offers Scaffold Users' Hazard Awareness</i>	Construction Projects, s.131
Signaller	Worker who is designated as a signaller	Competent worker	Construction Projects, s.188(8)
	Worker who acts as a signaller if the operator of a vehicle, machine, or equipment has an obstructed view or if a person could be endangered by the vehicle, machine, equipment, or load	Competent worker Adequate oral training in duties and adequate oral and written instructions in a language that the worker understands Learns visual signals and prearranges them with the operator to communicate <i>IHSA offers Signaller and Traffic Control Person course.</i>	Construction Projects, s.104, and 106

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Signaller (cont'd)	Person who acts as a signaller if the operator does not have a full view of the intended path of travel of the vehicle, mobile equipment, crane, or similar material handling equipment or its load	Competent person <i>IHSA offers Signaller and Traffic Control Person course.</i>	Industrial Establishments, s.56
Silo, Bin, Hopper, or Storage Container	Worker who keeps watch nearby when another worker enters a silo, bin, hopper, structure, container, or thing that is used for storing or containing bulk material and is not defined as a confined space	Capable of rendering any necessary assistance Equipped with a suitable alarm	Industrial Establishments, s.50
	Person who is in constant attendance outside the silo, bin, hopper, or other container or structure at a surface mine where another person is working on top of bulk material	Competent person Equipped with a suitable alarm	Mines and Mining Plants (Reg.854), s.60(2)
Stilts	Worker who uses stilts only at a residential project and only for drywall finishing work, installation of insulation, or installation of vapour barriers	Adequate training program in the use of stilts that meets the requirements of O.Reg.213/91, s.116(10)	Construction Projects, s.116
Supervisor See also: Occupational Health and Safety Awareness—Supervisor	Person who is appointed a supervisor by the employer	Competent person Must complete a basic occupational health and safety awareness training program within one week <i>IHSA's Basics of Supervising meets the training requirements.</i> <i>MLITSD's Supervisor Health and Safety Awareness in 5 Steps meets the minimum requirements.</i>	OHSA, s.25(2)(c) OHS Awareness and Training (Reg.297/13), s.2(1)
	Person who is the supervisor's assistant and who supervises the work in place of the supervisor Supervisor who performs work for an employer	Competent person Must complete a basic occupational health and safety awareness training program <i>IHSA's Basics of Supervising meets the training requirements.</i> <i>MLITSD's Supervisor Health and Safety Awareness in 5 Steps meets the minimum requirements.</i>	Construction Projects, s.14(2) and 15(2) OHS Awareness and Training (Reg.297/13), s.2(1)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Supervisor (cont'd)	Supervisor or a person who is appointed by the supervisor to inspect all machinery and equipment at least once a week to ensure they do not endanger any worker	Competent person <i>IHSA offers Basics of Supervising.</i>	Construction Projects, s.14(3)
	Person who performs the tests and observations necessary to detect hazardous conditions on a project	Competent person <i>IHSA offers Basics of Supervising.</i>	Construction Projects, s.14(5)
Suspended Work Platform System (SWPS) Boatswain's Chair Multi-Point Suspended Work Platform (MPSWP) See also: Window Cleaning	Worker who will be using a suspended work platform system (SWPS) or boatswain's chair	Successful completion of a training program that meets the requirements of s.138(2) Recertification training at least every three years or as often as necessary <i>IHSA's Suspended Access Equipment—Users meets the training requirements of s.138(2).</i> <i>IHSA's Suspended Access Equipment—User Proficiency meets the recertification training requirements.</i>	Construction Projects, s.138 Window Cleaning (Reg.859), s.45
	Worker who installs and inspects a suspended work platform system (SWPS) or boatswain's chair before it is put into service for the first time	Competent worker Successful completion of a training program that meets the requirements of s.138.1(3) Recertification training at least every three years or as often as necessary <i>IHSA's Suspended Work Platform System—Installers meets the training requirements of s.138.1(3).</i> <i>IHSA's Suspended Work Platform System—Installer Proficiency meets the recertification training requirements.</i>	Construction Projects, s.138.1 Window Cleaning (Reg.859), s.45
	Person who: <ul style="list-style-type: none"> • prepares written procedures for the rescue of workers from SWPS or boatswain's chair in an emergency • conducts a risk assessment to identify hazards from use of SWPS or boatswain's chair • prepares a written, site-specific work plan 	Competent person <i>IHSA's Suspended Access Equipment—Planners meets the requirements of s.141.5</i>	Construction Projects, s.141.5 Window Cleaning (Reg.859), s.45

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Suspended Work Platform System (SWPS) Boatswain's Chair Multi-Point Suspended Work Platform (MPSWP) (cont'd) See also: Window Cleaning	Worker who installs, alters, or dismantles a suspended work platform system or boatswain's chair	Competent worker Successful completion of a training program that meets the requirements of s.138.1(3) Recertification training at least every three years or as often as necessary <i>IHSA's Suspended Work Platform System—Installers meets the training requirements of s.138.1(3).</i> <i>IHSA's Suspended Work Platform System—Installer Proficiency meets the recertification training requirements.</i>	Construction Projects, s.141.6(1) or 141.7(2) Window Cleaning (Reg.859), s.45
	Worker who will be on a multi-point suspended work platform for the first time	Adequate oral and written instructions for use Instructions from the manufacturer or professional engineer, instructions in load limitations and proper operation, and a hands-on demonstration.	Construction Projects, s.142.5(2)
	Worker who will be erecting, dismantling, traversing, or otherwise moving a multi-point suspended work platform	Instruction in the procedures for erection, dismantling, traversing and moving the MPSWPS Adequate oral and written instructions for use Instructions from the manufacturer or professional engineer, instructions in load limitations and proper operation, and a hands-on demonstration.	Construction Projects, s.142.2(15)(e) Construction Projects, s.142.5(2)
Traffic Control	Worker who sets up or removes traffic control measures on a roadway or shoulder of a roadway	Competent worker Adequate oral and written instructions, in a language they understand, on setting up or removing traffic control measures <i>IHSA offers Traffic Control—Temporary Work Zones.</i>	Construction Projects, s.67(6)
	Worker who directs vehicular traffic	Competent worker Adequate oral and written instructions, in a language they understand, on directing vehicular traffic including a description of the signals that are to be used <i>IHSA offers Traffic Control—Temp Work Zones and Signaller and Traffic Control Person.</i>	Construction Projects, s.69(4)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Tunnels, Shafts, Caissons, and Cofferdams	Workers (at least four) who are readily available to perform rescues of underground workers	Trained by a competent person to perform rescues of underground workers Trained within 30 days before tunneling begins and retrained every 30 days after initial training	Construction Projects, s.265
	Workers who perform underground rescue on a project where the combined length of the tunnel and shaft exceeds forty-five metres (150 ft)	Trained by a competent person in the proper operation of the self-contained breathing apparatus that has been provided Retrained every 30 days after initial training	Construction Projects, s.266
	Workers on a tunnel project	Instruction in the proper use, care, maintenance, and limitations of their self-rescue respirator	Construction Projects, s.268(2)
	Person who trains workers to perform underground rescue and to operate their self-contained breathing apparatus	Competent person	Construction Projects, s.265(3) and 266(3)
	Person who inspects every self-contained breathing apparatus at least once a month, or as required by the manufacturer	Competent person	Construction Projects, s.266(12)
	Worker who is appointed by the project supervisor to give first aid at a shaft or tunnel	Competent worker	Construction Projects, s.261
	Worker who is appointed by the project supervisor to operate a hoist in a hoistway or shaft	Competent worker	Construction Projects, s.291(1)
	Worker who uses a device used for firing a charge	Competent worker	Construction Projects, s.325(2)
	Worker who regularly tests the air and mechanical ventilation for an underground workplace	Competent worker	Construction Projects, s.330(2)
Vehicle or Powered Machine, Tool, or Equipment	Worker who inspects all mechanically-powered vehicles, machines, tools, or equipment rated at greater than 10 hp to determine whether they can handle their rated capacity and to identify any defects or hazardous conditions	Competent worker	Construction Projects, s.94(1)

Training Requirements Chart

Topic or Hazard	Who Must Be Trained?	Training Required	Legislation
Vehicle or Powered Machine, Tool, or Equipment (cont'd)	Worker who operates a vehicle or powered machine, tool, or equipment at a project	Competent to operate a vehicle or powered machine, tool, or equipment OR Worker being instructed and supervised by a competent person to operate it	Construction Projects, s.96(1)
	Person who instructs and supervises a worker who is being trained to operate a vehicle or powered machine, tool, or equipment	Competent person	Construction Projects, s.96(2)
	Person who operates a motor vehicle at a surface mine, other than one running on rails or except for purposes of training or testing Person who tests, maintains and inspects each motor vehicle	Competent operator Competent person	Mines and Mining Plants (Reg.854), s.105
Window Cleaning See also: Suspended Work Platform System Boatswain's Chair Multi-Point Suspended Work Platform	Worker who uses a suspended scaffold, boatswain's chair, or similar single-point suspension equipment while window cleaning	Training in common core skills for safe use of suspended scaffolds, boatswain's chairs, or similar single-point suspension equipment <i>IHSA offers Window Cleaning or Suspended Access Equipment—Users.</i>	Window Cleaning (Reg.859), s.45 Construction Projects, s.138
Worker See also: Occupational Health and Safety Awareness—Worker	Worker who performs work for an employer	Complete a basic occupational health and safety awareness training program as soon as practicable <i>IHSA's Entry-Level Construction meets this requirement.</i> <i>MLITSD's Worker Health and Safety Awareness in 4 Steps meets the minimum requirement.</i>	OHS Awareness and Training (Reg.297/13), s.1(1)
Workplace Violence and Harassment	All workers	Information and instruction on the employer's workplace violence and harassment policy and program <i>IHSA offers Workplace Violence and Harassment eLearning.</i>	OHSA, s.32.0.5(2) OHSA, s.32.0.8

© Infrastructure Health and Safety Association, 2016

The contents of this publication are for general information only. This publication should not be regarded or relied upon as a definitive guide to government regulations or to safety practices and procedures. The appropriate regulations and statutes should be consulted. The contents of this publication were, to the best of our knowledge, current at the time of printing.

Revised, May 2023