



Overview of Residential Construction Occupation, Skill Requirements, and Wages

First Nations National Building Officers Association

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WWW.FNNBOA.CA

(Landscape Orientation)

Disclaimer

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1 Introduction

This document provides an overview of the approximately 30 key construction trades for new residential construction. Many Indigenous communities hire these construction trades to build new or renovate homes but be unaware of the required expertise or the wage to pay for these trades.

The following information is provided:

1. Occupation/Job – Name of the trade or occupation.
2. National Occupation Classification - The National Occupational Classification (NOC) is Canada's national system for describing occupations.
3. Description – Lists the main features of a specific occupation.
4. Job Duties – Lists the main or core duties associated with the occupation.
5. Job Titles that are Similar this occupation – Terms that describe similar jobs or occupations.
6. Wages (average for Canada) – This is the average wage per hour for that occupation. There is a link that gives the average for all the regions of Canada.
7. Requirements – These are the questions and skills necessary for a certain occupation. The requirements are the skills and experience that an employer expects to someone to have to be successful in a job.
8. Professional certification and Licensing – This indicate whether the occupation is professionally regulated. This is important to look if that occupation is regulated by in your region. The contractor should be able to provide those required papers. If not, they should be required to provide a list of their most recent education/training programs.
9. Expertise – The individual has mastered a specific technique or skills related to that occupation.
10. Essential Skills – These are the essential skills for that occupation. For more information a link for that occupation is provided.
11. Suggested Insurance requirements – The key insurance policies that a contractor “must” have to carry out the work in the community are identified. The contractor should provide the necessary certificates for proof of insurance.

The information for this document generally came from the Government of Canada website called Job Bank (www.jobbank.gc.ca). Job Bank is a national employment service that gives information about various occupations.

This is an excellent source of information. Appendix A gives an overview on how to navigate this website to hire contractors for various jobs in the community.

Why is this information useful?

- ✓ Gives an overview on the qualifications to hire a contractor
- ✓ Helps to identify if the occupation is regulated within the prov/territory and by which agency. Communities hiring these contractors can ask for those certifications.
- ✓ Identify the wage to pay a contractor. The average wage is provided based on the expertise and essential skills.
- ✓ As part of any tender or procurement process, this information can be included to ensure you are hiring a qualified contractor.
- ✓ Identifies the requires insurance that all trades should hold to ensure the community is protected. If insurance certification is not provided, the contractor should not be hired.
- ✓ While hiring local contractors is very important, these contractors should meet these qualifications including demonstrate they have the experience and have taken recent education/training courses in their respective trade.

2 Air Conditioning and Heating Mechanics

Occupation/Job	Air Conditioning and Heating Mechanics
National Occupation Classification	7313
Description	Heating, refrigeration and air conditioning mechanics install, maintain, repair and overhaul residential central air conditioning systems, commercial and industrial refrigeration and air conditioning systems and combined heating, ventilation and cooling systems. They are employed by heating, refrigeration and air conditioning installation contractors, various industrial settings, food wholesalers, engineering firms and retail and servicing establishments. Transport refrigeration mechanics are included in this unit group.
Job Duties	<ul style="list-style-type: none"> • Read and interpret blueprints, drawings or other specifications • Measure and lay out reference points for installation • Assemble and install refrigeration or air conditioning components such as motors, controls, gauges, valves, circulating pumps, condensers, humidifiers, evaporators and compressors using hand and power tools • Measure and cut piping, and connect piping using welding and brazing equipment • Install, troubleshoot and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems • Start up system and test for leaks using testing devices • Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing • Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems • May install, maintain and repair equipment in refrigerated trucks used to transport food or medical supplies • May prepare work estimates for clients.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • heating and cooling mechanic • heating, ventilation and air conditioning (HVAC) mechanic • transport refrigeration mechanic • commercial air conditioning mechanic • refrigeration and air conditioning mechanic apprentice • central air conditioning mechanic • refrigeration mechanic
Wages (average for Canada)	\$32.29 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/7527/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a three- to five-year apprenticeship program or A combination of over five years of work experience in the trade and some high school, college or industry courses in refrigeration and air conditioning repair is usually required to be eligible for trade certification. • Trade certification for refrigeration and air conditioning mechanics is compulsory in Nova Scotia, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan and Alberta and available, but voluntary, in all other provinces and the territories. • Trade certification for transport refrigeration mechanics is available, but voluntary, in New Brunswick, Alberta and British Columbia.

	<ul style="list-style-type: none"> Red Seal endorsement is also available to qualified refrigeration and air conditioning mechanics upon successful completion of the interprovincial Red Seal examination.
Professional certification and Licensing	<p>Regulated by prov/terr bodies See: https://www.jobbank.gc.ca/marketreport/requirements/7527/ca</p>
Expertise	<ul style="list-style-type: none"> Measure and lay out reference points for installation Assemble and install refrigeration or air conditioning components Measure, cut and connect piping using welding and brazing equipment Start up system and test for leaks using testing devices Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing Interpret gas codes Install, troubleshoot, repair and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems Handle, recover and store refrigerants Install, maintain and repair equipment in refrigerated trucks used to transport food or medical supplies Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems Read and interpret blueprints
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> Reading Document use Writing Numeracy Oral communication Thinking Digital technology Working with Others Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7699/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.

	<i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i>
Source for information	www.jobbank.gc.ca

3 Air Conditioning Contractor

Occupation/Job	Air Conditioning Contractor
National Occupation Classification	7301
Description	Contractors and supervisors in mechanic trades supervise and co-ordinate the activities of workers classified in unit groups within the following minor groups: Machinery and transportation equipment mechanics (except motor vehicle) (731), Automotive service technicians (732) and Other mechanics (733). They are employed in a wide range of establishments; places of employment are indicated in the unit group descriptions of the above minor groups. Contractors may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Supervise, co-ordinate and schedule the activities of workers who repair and maintain aircraft, railway locomotives and cars, industrial machinery and equipment, construction and other heavy equipment, textile equipment, printing machines, heating equipment and furnaces, transformers and other electrical equipment, motor vehicles, air conditioning and refrigeration equipment, electric appliances and other equipment, such as motorcycles, outboard motors and snowmobiles • Establish methods to meet work schedules and co-ordinate work activities with other departments • Requisition materials and supplies • Resolve work problems and recommend work measures to improve productivity • Train or arrange for training of workers • Recommend personnel actions such as hiring and promotions • Ensure that standards for safe working conditions are observed • Prepare production and other reports • May manage the operations of their own companies • May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers. • Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • supervisor, motor vehicle repair shop • foreman/woman, printing machine repairers • supervisor, small-engine repair shop • supervisor, industrial mechanics • foreman/woman, textile machine mechanics • supervisor, aircraft maintenance engineers (AME) • air conditioning and refrigeration mechanic foreman/woman

	<ul style="list-style-type: none"> • foreman/woman, aircraft mechanics and inspectors • foreman/woman, electrical mechanics • foreman/woman, railway car repairers • foreman/woman, railway equipment maintenance inspectors • supervisor, appliance repair shop • contractor, heating systems • foreman/woman, heavy-duty equipment mechanics • foreman/woman, air conditioning and refrigeration mechanics • foreman/woman, heating systems mechanics
Wages (average for Canada)	\$34.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/6754/ca
Requirements	<ul style="list-style-type: none"> • completion of secondary school is usually required. • Several years of experience as a qualified tradesperson in a relevant trade are usually required. • Journeyman/woman trade certification in a relevant trade is required.
Professional certification and Licensing	Appears to not be regulated or certification required. After completion of an heating, refrigeration and air conditioning courses/program, students may write the Gas Technician II or Gas Technician III certification test from the Technical Standards and Safety Authority in order to qualify for work in the field (in Ontario). Depending on the program, students may also be able to challenge level 1 and / or level 2 HRAC apprenticeship exemptions, or be prepared to write other certifications, like the oil burner technician test. This trade is also designated in the red seal program. https://www.red-seal.ca/trades/r.lcm-eng.html
Expertise	<ul style="list-style-type: none"> • Supervise workers and projects • Co-ordinate and schedule activities • Train or arrange for training • Manage own company • Recommend personnel actions • Ensure health and safety regulations are followed • Requisition or order materials, equipment and supplies • Establish methods to meet work schedules and co-ordinate work activities with other work units • Resolve work problems and recommend measures to improve productivity
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements.

	<p>Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry)</p> <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7699/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

4 Architect, Landscape

Occupation/Job	Architect, Landscape
National Occupation Classification	2152
Description	Landscape architects conceptualize, design, plan and manage the construction of natural, cultural and built landscape development for commercial projects, office complexes, parks, golf courses and residential development. They are employed by government environmental and development agencies, landscape consulting firms and by architectural and engineering firms, or they are self-employed.
Job Duties	<ul style="list-style-type: none"> • Confer with clients to determine design needs • Survey and assess designated sites and develop designs taking into consideration landscape features, buildings, climate, future usage and other aspects • Prepare or oversee the preparation of detailed drawings for sites, including features such as trees, shrubs, gardens, lighting, walkways, patios, decks, benches, fences, retaining walls and fountains • Prepare or oversee preparation of site plans, reports, sketches, models, photographs, maps, land use studies, design plans such as landscape grading, drainage or planting, and construction details • Estimate costs, prepare specifications and evaluate tenders for landscape construction projects

	<ul style="list-style-type: none"> • Conduct environmental design studies, including environmental assessment, planning and the preservation and re-creation of historical sites • Conduct community and neighbourhood physical planning studies, participate in multidisciplinary urban design studies, prepare design guidelines, and develop master plans • May manage and supervise landscape construction work.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • golf course architect • landscape architect • landscape planner
Wages (average for Canada)	\$33.90 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/5432/ca
Requirements	<ul style="list-style-type: none"> • A bachelor's degree in landscape architecture is required. • A master's degree in landscape architecture may be required. • In Ontario and British Columbia, landscape architects require a two-year internship and the successful completion of a provincial registration exam. • In the remaining provinces and territories, landscape architects usually require two years of landscape design experience and an interview by their respective provincial associations to receive association certification. • Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers.
Professional certification and Licensing	Regulated in AB,BC,NU,ON See: https://www.jobbank.gc.ca/marketreport/requirements/5432/ca
Expertise	<ul style="list-style-type: none"> • Confer with clients to determine design needs • Survey and assess designated sites • Develop designs taking into consideration landscape features, buildings, climate, future usage and other aspects • Prepare or oversee the preparation of detailed drawings of sites • Prepare or oversee preparation of site plans, reports, sketches, models, photographs, maps, land use studies and design plans • Estimate costs, prepare specifications and evaluate tenders for landscape construction projects • Conduct environmental design studies • Conduct environmental design studies, including environmental assessment, planning and the preservation and re-creation of historical sites • Conduct community and neighbourhood physical planning studies, participate in multidisciplinary urban design studies and prepare design guidelines
Essential Skills	There are essential skills apply to this occupation. <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others

	<p>9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry)</p> <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/5432/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

5 Architect, Residential

Occupation/Job	Architect, Residential
National Occupation Classification	2151
Description	Architects conceptualize, plan and develop designs for the construction and renovation of commercial, institutional and residential buildings. They are employed by architectural firms, private corporations and governments, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Consult with clients to determine the type, style and purpose of renovations or new building construction being considered • Conceptualize and design buildings and develop plans describing design specifications, building materials, costs and construction schedules • Prepare sketches and models for clients • Prepare or supervise the preparation of drawings, specifications and other construction documents for use by contractors and tradespersons • Prepare bidding documents, participate in contract negotiations and award construction contracts • Monitor activities on construction sites to ensure compliance with specifications • Conduct feasibility studies and financial analyses of building projects.

	<ul style="list-style-type: none"> Architects may specialize in a particular type of construction such as residential, commercial, industrial or institutional.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> architect industrial and commercial buildings architect residential architect architectural standards specialist chief architect consulting architect
Wages (average for Canada)	\$35.58 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/17869/ca
Requirements	<ul style="list-style-type: none"> A bachelor's degree from an accredited school of architecture or Completion of the syllabus of studies from the Royal Architectural Institute of Canada (RAIC) is required. A master's degree in architecture may be required. Completion of a three-year internship under the supervision of a registered architect is required. Completion of the architect registration examination is required. Registration with the provincial association of architects in the province of work is required. Leadership in Energy and Environmental Design (LEED) certification is offered by the Canada Green Building Council and may be required by some employers
Professional certification and Licensing	Regulated by prov/terr See: https://www.jobbank.gc.ca/marketreport/requirements/17869/ca
Expertise	<ul style="list-style-type: none">
Essential Skills	Skills Management Supervising Analysis Planning Projecting Outcomes Analyzing Information Communication Liaising and Networking Professional Communicating Advising and Consulting Promoting and Selling Negotiating and Adjudicating Creative Expression Designing Writing Knowledge Business, Finance and Management Client Service Engineering and Technology

	Building and Construction Engineering and Applied Technologies Design Law and Public Safety Public Safety and Security
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

6 Backhoe Operator

Occupation/Job	Backhoe Operator (bulldozer operator, excavator operator)
National Occupation Classification	7521
Description	Heavy equipment operators operate heavy equipment used in the construction and maintenance of roads, bridges, airports, gas and oil pipelines, tunnels, buildings and other structures; in surface mining and quarrying activities; and in material handling work. They are employed by construction companies, heavy equipment contractors, public works departments and pipeline, logging, cargo-handling and other companies.
Job Duties	<ul style="list-style-type: none"> • Operate heavy equipment such as backhoes, bulldozers, loaders and graders to excavate, move, load and grade earth, rock, gravel or other materials during construction and related activities • Operate bulldozers or other heavy equipment to clear brush and stumps prior to logging activities and to build roads at logging and surface mining sites • Operate heavy equipment with pile driver head to drive piling into earth to provide support for buildings, bridges or other structures • Operate heavy dredging equipment to deepen waterways or reclaim earth fill • Operate heavy paving and surfacing equipment to lay, spread or compact concrete, asphalt and other surface materials during highway and road construction

	<ul style="list-style-type: none"> • Operate power shovels to excavate rock, ore or other materials from open-pit mines, strip mines, quarries or construction pits • Operate heavy equipment to move, load and unload cargo • Conduct pre-operational checks on equipment and clean, lubricate and refill equipment. • Job titles
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • backhoe operator • bulldozer operator • heavy equipment operator • excavator operator • gradall operator • grader operator • heavy equipment operator apprentice • loader operator - construction • side boom tractor operator • surface mining equipment operator
Wages (average for Canada)	\$27.90 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/15012/ca
Requirements	<ul style="list-style-type: none"> • Some secondary school education is required. • Completion of a one- to two-year apprenticeship program or Some high school, college or industry courses in heavy equipment operating combined with on-the-job training are required. • Trade certification is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, the Northwest Territories and Nunavut. • Internal company certification may be required by some employers.
Professional certification and Licensing	Regulated in prov/terr See: https://www.jobbank.gc.ca/marketreport/requirements/15012/ca
Expertise	<ul style="list-style-type: none"> • Operate heavy equipment • Clean and lubricate equipment and refill equipment tanks • Operate computer controlled equipment • Conduct pre-operational checks on equipment • Secure special attachments to equipment • Operate two-way radios and other communication equipment • Perform minor repairs to equipment • Operate hydraulic pumping systems • John Deere controls
Essential Skills	
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p>

	Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).
Notes:	Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning. <i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i>
Source for information	www.jobbank.gc.ca

7 Building Handyman/Women

Occupation/Job	Building Handyman/Women
National Occupation Classification	6733
Description	Janitors, caretakers and building superintendents clean and maintain the interior and exterior of commercial, institutional and residential buildings and their surrounding grounds. Building superintendents employed in large establishments are responsible for the operation of the establishment and may also supervise other workers. They are employed by office and apartment building management companies, condominium corporations, educational institutions, health care facilities, recreational and shopping facilities, religious, industrial and other establishments.
Job Duties	<ul style="list-style-type: none"> • Operate industrial vacuum cleaners to remove scraps, dirt, heavy debris and other refuse • Wash windows, interior walls and ceilings • Empty trash cans and other waste containers • Sweep, mop, scrub and wax hallways, floors and stairs • Clean snow and ice from walkways and parking areas • Cut grass and tend grounds and plants • Clean and disinfect washrooms and fixtures • Make adjustments and minor repairs to heating, cooling, ventilating, plumbing and electrical systems, and contact tradespersons for major repairs • Perform other routine maintenance jobs such as painting and drywall repair • May move heavy furniture, equipment and supplies • Ensure that security and safety measures are in place in the establishment • May advertise vacancies, show apartments and offices to prospective tenants and collect rent • May supervise other workers.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • plant cleaner • school janitor • custodian

	<ul style="list-style-type: none"> • building caretaker • building superintendent • heavy-duty cleaner • industrial cleaner • handyman/woman
Wages (average for Canada)	\$19.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/14385/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school may be required. • Some occupations in this unit group require previous cleaning and maintenance experience. • A journeyman/woman certificate in one or more of the trades or a building operator certificate may be required for building superintendents.
Professional certification and Licensing	Regulated in BC, Qc See: https://www.jobbank.gc.ca/marketreport/requirements/14385/ca
Expertise	<ul style="list-style-type: none"> • Sweep, mop, scrub and wax hallways, floors and stairs • Operate industrial vacuum cleaners to remove scraps, dirt, heavy debris and other refuse • Empty trash cans and other waste containers • Wash windows, interior walls and ceilings • Make adjustments and minor repairs to heating, cooling, ventilation, plumbing and electrical systems, and contact tradespersons for major repairs • Perform minor repairs on appliances • Move heavy furniture, equipment and supplies • Perform other routine maintenance jobs such as painting and drywall repair • Water and tend to plants, lawns and/or gardens • Clean and disinfect bathrooms and fixtures • Work with minimal supervision • Clean snow and ice from walkways and parking areas
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry). <p>See: https://www.jobbank.gc.ca/marketreport/skills/14385/ca</p>

Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

8 Carpenter, Finisher

Occupation/Job	Carpenter Finish
National Occupation Classification	7271
Description	Carpenters construct, erect, install, maintain and repair structures and components of structures made of wood, wood substitutes, lightweight steel and other materials. They are employed by construction companies, carpentry contractors, and maintenance departments of factories, plants and other establishments, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Measure and lay out reference points for installation • Assemble and install refrigeration or air conditioning components • Measure, cut and connect piping using welding and brazing equipment • Start up system and test for leaks using testing devices • Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing • Interpret gas codes • Install, troubleshoot, repair and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems • Handle, recover and store refrigerants • Install, maintain and repair equipment in refrigerated trucks used to transport food or medical supplies • Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems • Read and interpret blueprints
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • Measure and lay out reference points for installation • Assemble and install refrigeration or air conditioning components • Measure, cut and connect piping using welding and brazing equipment • Start up system and test for leaks using testing devices

	<ul style="list-style-type: none"> • Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing • Interpret gas codes • Install, troubleshoot, repair and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems • Handle, recover and store refrigerants • Install, maintain and repair equipment in refrigerated trucks used to transport food or medical supplies • Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems • Read and interpret blueprints
Wages (average for Canada)	\$26.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/6403/ca
Requirements	<ul style="list-style-type: none"> • Measure and lay out reference points for installation • Assemble and install refrigeration or air conditioning components • Measure, cut and connect piping using welding and brazing equipment • Start up system and test for leaks using testing devices • Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing • Interpret gas codes • Install, troubleshoot, repair and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems • Handle, recover and store refrigerants • Install, maintain and repair equipment in refrigerated trucks used to transport food or medical supplies • Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems • Read and interpret blueprints
Professional certification and Licensing	Regulated by prov/terr bodies See: https://www.jobbank.gc.ca/marketreport/requirements/6403/ca
Expertise	<ul style="list-style-type: none"> • Measure and lay out reference points for installation • Assemble and install refrigeration or air conditioning components • Measure, cut and connect piping using welding and brazing equipment • Start up system and test for leaks using testing devices • Recharge system with refrigerant, check and test regulators, calibrate system and perform routine maintenance or servicing • Interpret gas codes • Install, troubleshoot, repair and overhaul entire heating, ventilation, air handling, refrigeration and air conditioning systems • Handle, recover and store refrigerants • Install, maintain and repair equipment in refrigerated trucks used to transport food or medical supplies • Repair and replace parts and components for entire refrigeration, air conditioning, ventilation or heat pump systems • Read and interpret blueprints
Essential Skills	There are essential skills apply to this occupation. <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking

	<p>7. Digital technology</p> <p>8. Working with Others</p> <p>9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry)</p> <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7699/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

9 Carpenter, Framing

Occupation/Job	Carpenter, Framing
National Occupation Classification	7271
Description	Carpenters construct, erect, install, maintain and repair structures and components of structures made of wood, wood substitutes, lightweight steel and other materials. They are employed by construction companies, carpentry contractors, and maintenance departments of factories, plants and other establishments, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Read and interpret blueprints, drawings and sketches to determine specifications and calculate requirements • Prepare layouts in conformance to building codes, using measuring tools • Measure, cut, shape, assemble and join materials made of wood, wood substitutes, lightweight steel and other materials • Build foundations, install floor beams, lay subflooring and erect walls and roof systems • Fit and install trim items, such as doors, stairs, moulding and hardware • Maintain, repair and renovate residences and wooden structures in mills, mines, hospitals, industrial plants and other establishments • Supervise apprentices and other construction workers • May prepare cost estimates for clients
Job Titles that are Similar to this occupation	<ul style="list-style-type: none"> • carpenter-joiner • stair builder-carpenter • apprentice carpenter • carpenter • maintenance carpenter • renovation carpenter • rough carpenter • finish carpenter • journeyman/woman carpenter • metal framer - carpentry
Wages (average for Canada)	\$26.00 https://www.jobbank.gc.ca/marketreport/wages-occupation/6406/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a three- to four-year apprenticeship program or A combination of over four years of work experience in the trade and some high school, college or industry courses in carpentry is usually required to be eligible for trade certification. • Trade certification for carpenters is compulsory in Quebec and available, but voluntary, in all other provinces and the territories. • Trade certification for framers is available, but voluntary, in Saskatchewan. • Red Seal endorsement is also available to qualified carpenters upon successful completion of the interprovincial Red Seal examination.

Professional certification and Licensing	This trade might need to get a certification from a regulatory authority before you start working. Find out if this occupation is regulated in your province or territory. Yes, this trade is regulated. Please see https://www.jobbank.gc.ca/marketreport/requirements/6406/ca https://www.jobbank.gc.ca/marketreport/requirements/24602/ca
Expertise	<ul style="list-style-type: none"> • Read and interpret blueprints, drawings and sketches to determine specifications and calculate requirements • Prepare layouts in conformance to building codes, using measuring tools • Measure, cut, shape, assemble and join materials made of wood, wood substitutes, lightweight steel and other materials • Build foundations, install floor beams, lay subflooring and erect walls and roof systems • Fit and install windows, doors, stairs, mouldings and hardware • Maintain, repair and renovate residences and wooden structures in mills, mines, hospitals, industrial plants and other establishments
Essential Skills	<ul style="list-style-type: none"> • Reading • Document use • Writing • Numeracy • Oral communication • Thinking • Digital technology • Additional information - Continuous Learning. There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry.
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning. <i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i>
Source for information	www.jobbank.gc.ca

10 Concrete Finisher

Occupation/Job	Concrete Finishers
National Occupation Classification	7282
Description	Concrete finishers smooth and finish freshly poured concrete, apply curing or surface treatments and install, maintain and restore various masonry structures such as foundations, floors, ceilings, sidewalks, roads, patios and highrise buildings. They are employed by construction companies, cement and concrete contractors and manufacturers of precast concrete products, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Check formwork, granular base and steel reinforcement materials and direct placement of concrete into forms or onto surfaces according to grade • Fill hollows and remove high spots to smooth freshly poured concrete • Operate power vibrator to compact concrete • Level top surface of concrete according to grade and depth specifications using straightedge or float • Impart desired finish to concrete surfaces using hand and power tools • Install anchor bolts, steel plates, door sills and other fixtures in freshly poured concrete • Apply hardening and sealing compounds to cure surface of concrete • Waterproof, damp-proof and restore concrete surfaces • Repair, resurface and replace worn or damaged sections of floors, walls, roads and other concrete structures.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • precast concrete finisher • cement finisher apprentice • cement mason • concrete finisher • concrete mason
Wages (average for Canada)	\$30.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/6489/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a two- to four-year apprenticeship program or Over three years of work experience in the trade and some high school, college or industry courses in cement finishing are usually required to be eligible for trade certification. • Trade certification for concrete finishers is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, Alberta and British Columbia. • Trade certification for cement masons is available, but voluntary, in Ontario. • Red Seal endorsement is also available to qualified concrete finishers upon successful completion of the interprovincial Red Seal examination.
Professional certification and Licensing	Regulated in some prov/terr bodies See: https://www.jobbank.gc.ca/marketreport/requirements/6489/ca
Expertise	<ul style="list-style-type: none"> • Check formwork, granular base and steel reinforcement materials and direct placement of concrete into forms or onto surfaces according to grade

	<ul style="list-style-type: none"> • Fill hollows and remove spots on freshly poured cement • Operate power vibrators to compact concrete • Level top surface concrete according to grade and depth specification • Impart desired finish to concrete surfaces using hand and power tools • Install anchor bolts, steel plates, door sills and other fixtures • Apply hardening and sealing components to cure surfaces • Waterproof, damp proof and restore surfaces • Repair, resurface and replace worn or damaged sections of concrete structures •
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7699/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

11 Concrete Form Builders, Foreman/Forewomen, Carpentry

Occupation/Job	Concrete Form Builders Foreman/woman - Carpentry
National Occupation Classification	7204
Description	Contractors and supervisors in carpentry trades supervise and co-ordinate the activities of workers classified in the following unit groups: Carpenters (7271) and Cabinetmakers (7272). They are employed by construction companies, carpentry contractors, maintenance departments of industrial establishments, and custom furniture and fixture manufacturing or repair companies. Contractors may be self-employed.
Job Duties	<ul style="list-style-type: none"> • supervise, co-ordinate and schedule the activities of carpenters who construct, renovate and maintain structures of wood and other building materials and build and install interior finishing in residential, commercial and industrial buildings; and of cabinetmakers who construct and repair custom wooden cabinets, furniture, fixtures and related products • Establish methods to meet work schedules and co-ordinate work activities with other departments • Requisition materials and supplies • Resolve work problems and recommend work measures to improve productivity • Train or arrange for training of workers • Recommend personnel actions such as hirings and promotions • Ensure standards for safe working conditions are observed • Prepare schedules and other reports • May manage the operations of their own companies • May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers. • Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • foreman/woman, form builders • foreman/woman, finish carpenters • foreman/woman, maintenance carpenters • foreman/woman, framers • carpentry contractor • supervisor, carpenters • cabinetmaking contractor
Wages (average for Canada)	\$32.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/14526/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Several years of experience as a qualified carpenter or cabinetmaker are required. • Journeyman/woman trade certification as a carpenter or cabinetmaker is usually required.
Professional certification and Licensing	Not regulated
Expertise	<ul style="list-style-type: none"> • Supervise workers and projects

	<ul style="list-style-type: none"> • Co-ordinate and schedule activities • Train or arrange for training • Manage own company • Set up equipment • Ensure health and safety regulations are followed • Recommend personnel actions • Requisition or order materials, equipment and supplies • Establish methods to meet work schedules • Read blueprints and drawings • Resolve work problems and recommend measures to improve productivity • Requisition materials and supplies
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/14526/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

12 Drywall Installer

Occupation/Job	Drywall Installer
National Occupation Classification	7284
Description	Plasterers apply finish, and maintain and restore plaster or similar materials, on interior and exterior walls, ceilings and building partitions to produce plain or decorative surfaces. Drywall installers and finishers install and finish drywall sheets and various types of ceiling systems. Lathers install support framework for ceiling systems, interior and exterior walls and building partitions. They are employed by construction companies and by plastering, drywalling and lathing contractors, or they may be self-employed.
Job Duties	<p>Plasterers</p> <ul style="list-style-type: none"> • Clean and prepare surfaces • Mix plaster ingredients in trough to desired consistency • Apply, level and smooth coats of plaster using trowels, floats, brushes and spraying equipment • Trowel or spray coats of stucco over exteriors of buildings to form weatherproof surfaces • Finish corners and angles and create decorative designs in finish coat, if required • Cure freshly plastered surfaces • Mould and install ornamental plaster panels, cornices and trim • Spray acoustic materials or texture finish over walls and ceilings. <p>Drywall installers and finishers</p> <ul style="list-style-type: none"> • Measure, cut and fit drywall sheets for installation on walls and ceilings • Position and secure sheets to metal or wooden studs or joists • Cut and install metal corner beads to protect exterior corners • Fill joints, nail indentations, holes and cracks with joint compound using trowel and broad knife • Tape over joints using taping machine and embed tape in compound • Smooth out excess compound and allow coat to dry • Apply successive coats of compound and sand seams and joints • Fabricate and install suspended metal ceiling grids and place in panels to form acoustical and coffered ceilings. <p>Lathers</p> <ul style="list-style-type: none"> • Prepare wall and ceiling layouts • Install metal stud framing and furring for interior drywall or plaster walls and ceilings, using hand and power tools • Attach metal or gypsum lath to studs or furring using nails, screws, clips or wire ties • Cut openings in lath for heating and ventilation piping, ducts and electrical outlets • Install corner beads and wire mesh around beams to which plaster is to be applied • May install acoustic tile, hangers for suspended ceilings and metal studs for composition wallboard or lath.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • wood lather • plasterer apprentice • ceiling installer • drywall applicator

	<ul style="list-style-type: none"> • drywall finisher • drywall taper • plasterer • lather • lather apprentice • acoustical ceiling installer • sheetrock applicator • drywall installer and finisher apprentice • lather (interior systems mechanic)
Wages (average for Canada)	\$30.00 https://www.jobbank.gc.ca/marketreport/wages-occupation/21502/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a three- or four-year apprenticeship program in plastering, drywalling or lathing or A combination of over three years of work experience and some high school, college or industry courses in plastering, drywalling or lathing is usually required. • Plasterer trade certification is compulsory in Quebec and available, but voluntary, in Ontario, Saskatchewan and British Columbia. • Drywall installer and finisher trade certification is available, but voluntary, in British Columbia. • Trade certification for lathers (interior systems mechanics) is compulsory in Quebec and available, but voluntary, in all other provinces and the Yukon. • Red Seal endorsement is also available to qualified lathers (interior systems mechanic) upon successful completion of the interprovincial Red Seal examination.
Professional certification and Licensing	Regulated in provinces/terr See: https://www.jobbank.gc.ca/marketreport/requirements/21502/ca
Expertise	<ul style="list-style-type: none"> • Spray acoustic or texture materials over walls and ceilings • Clean and prepare surfaces • Apply, level and smooth coats of plaster • Trowel or spray coats of stucco over exteriors of buildings to form weatherproof surfaces • Finish corners and angles and create decorative designs in finish coat, if required • Mould and install ornamental plaster panels, cornices and trim • Cure freshly plastered surfaces • Mix plaster ingredients to desired consistency • Apply successive coats of compound and sand seams and joints • Position and secure sheets to metal or wooden studs or joists • Cut and install metal corner beads to protect exterior corners • Fill joints, nail indentations, holes and cracks with joint compound using trowel and broad knife • Tape over joints using taping machine and embed tape in compound • Fabricate and install suspended metal ceiling grids and place in panels to form acoustical and coffered ceilings • Measure, cut, fit and install drywall sheets

	<ul style="list-style-type: none"> • Smooth out excess compound and allow coat to dry • Prepare wall and ceiling layouts • Install metal stud framing and furring for interior drywall or plaster walls and ceilings, using hand and power tools • Cut openings in lath for heating and ventilation piping, ducts and electrical outlets • Install vapour barriers and thermal and sound insulation • Install exterior and interior steel studs • Install acoustic tile, hangers for suspended ceilings and metal studs for composition wallboard or lath • Attach metal or gypsum lath to studs or furring • Utilize laser alignment system • Install corner beads and wire mesh around beams to which plaster is to be applied
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/21502/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

13 Electrician

Occupation/Job	Electrician
National Occupation Classification	7241
Description	Electricians (except industrial and power system) lay out, assemble, install, test, troubleshoot and repair electrical wiring, fixtures, control devices and related equipment in buildings and other structures. They are employed by electrical contractors and maintenance departments of buildings and other establishments, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Read and interpret drawings, circuit diagrams and electrical code specifications to determine wiring layouts for new or existing installations • Pull wire through conduits and through holes in walls and floors • Install brackets and hangers to support electrical equipment • Install, replace and repair lighting fixtures and electrical control and distribution equipment, such as switches, relays and circuit breaker panels • Splice, join and connect wire to fixtures and components to form circuits • Test continuity of circuits using test equipment to ensure compatibility and safety of system, following installation, replacement or repair • Troubleshoot and isolate faults in electrical and electronic systems and remove and replace faulty components • Connect electrical power to audio and visual communication equipment, signalling devices and heating and cooling systems • Conduct preventive maintenance programs and keep maintenance records.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • apprentice electrician • construction electrician apprentice • construction electrician • domestic and rural electrician • electrician
Wages (average for Canada)	\$32.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/20684/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a four- to five-year apprenticeship program is usually required. • Trade certification for construction electricians is compulsory in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Manitoba, Saskatchewan and Alberta and available, but voluntary, in British Columbia, the Yukon, the Northwest Territories and Nunavut. • Trade certification for electricians (domestic and rural) is compulsory in Newfoundland and Labrador and Ontario. • Trade certification for electrical control (machine) builders is available, but voluntary, in Ontario. • Red Seal endorsement is also available to qualified construction electricians upon successful completion of the interprovincial Red Seal examination.
Professional certification and Licensing	Regulated by prov/terr bodies See: https://www.jobbank.gc.ca/marketreport/requirements/20684/ca

Expertise	<ul style="list-style-type: none"> • Install underground wiring and cables • Install, replace and repair electrical controls and panel boxes • Splice, join and connect wires • Test and measure voltage, loads, ground faults integrity of circuits • Troubleshoot and isolate faults • Connect power to audio and visual equipment • Install surface mount and/or overhead cables • Install power generation, stand-by power generation and power conditioning systems • Ground and bond electrical equipment, systems and structures including swimming pools and hot tubs • Renovate electrical systems in residential and commercial structures • Conduct preventive maintenance programs • Read and interpret blueprints, maps, drawings and specifications
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7699/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

14 Foundation Form Worker

Occupation/Job	Foundation Form Worker
National Occupation Classification	7611
Description	Construction trades helpers and labourers assist skilled tradespersons and perform labouring activities at construction sites, in quarries and in surface mines. They are employed by construction companies, trade and labour contractors, and surface mine and quarry operators.
Job Duties	<ul style="list-style-type: none"> • Load and unload construction materials, and move materials to work areas • Erect and dismantle concrete forms, scaffolding, ramps, catwalks, shoring and barricades required at construction sites • Mix, pour and spread materials such as concrete and asphalt • Assist tradespersons such as carpenters, bricklayers, cement finishers, roofers and glaziers in construction activities • Assist heavy equipment operators to secure special attachments to equipment, signal operators to guide them in moving equipment and provide assistance in other activities • Assist in aligning pipes and perform related activities during oil and gas pipeline construction • Assist in drilling and blasting rock at construction sites • Assist miners in excavating and in setting up and operating various drills and other surface mining machinery • Level earth to fine grade specifications using rake and shovel • Assist in demolishing buildings using prying bars and other tools, and sort, clean and pile salvaged materials • Remove rubble and other debris at construction sites using rakes, shovels, wheelbarrows and other equipment • Operate pneumatic hammers, vibrators and tampers as directed • Tend or feed machines or equipment used in construction such as mixers, compressors and pumps • Clean up chemical spills and other contaminants, and remove asbestos and other hazardous materials • Oil and grease hoists and similar equipment • Direct traffic at or near construction sites • Perform other activities at construction sites, as directed.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • asphalt spreader • concrete mixer helper • drywall sander • roofer helper • plumber helper • pipeline mandrel operator • glazier helper • stabber - pipeline construction • construction labourer • construction helper • demolition worker • bricklayer helper

	<ul style="list-style-type: none"> • carpenter helper • labourer, concrete paving • labourer, excavation • flagman/woman • driller helper - surface mining
Wages (average for Canada)	\$21.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/26535/ca
Requirements	<ul style="list-style-type: none"> • Some experience as a general construction labourer may be required for construction trade helpers. • Some pipeline workers, such as stabbers, mandrel operators and pre-heater tenders, usually require one season of experience in oil and gas pipeline construction. • Flagmen/women may require a traffic control certificate.
Professional certification and Licensing	Some prov/terr bodies regulated different types of construction worker. See: https://www.jobbank.gc.ca/marketreport/requirements/26535/ca
Expertise	<ul style="list-style-type: none"> • Load, unload and transport construction materials • Erect and dismantle concrete forms, scaffolding, ramps, catwalks shoring and barricades • Mix, pour and spread materials • Assist heavy equipment operators • Assist in aligning pipes during pipeline construction • Assist in drilling and blasting rock on construction sites • Assist in framing houses, erecting walls and building roofs • Level earth to fine grade specifications • Pave and rake asphalt • Assist in demolishing buildings • Clean and pile salvaged materials • Clean up chemical spills and other contaminants • Remove rubble and other debris at construction sites • Tend or feed machines or equipment used in construction • Direct traffic at or near construction sites • Read and interpret blueprints
Essential Skills	There are essential skills apply to this occupation. <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others

	<p>9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry)</p> <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/26535/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

15 General Contractor

Occupation/Job	General Contractor
National Occupation Classification	0711
Description	Construction managers plan, organize, direct, control and evaluate the activities of a construction company or a construction department within a company, under the direction of a general manager or other senior manager. They are employed by residential, commercial and industrial construction companies and by construction departments of companies outside the construction industry.
Job Duties	<ul style="list-style-type: none"> • Plan, organize, direct, control and evaluate construction projects from start to finish according to schedule, specifications and budget • Prepare and submit construction project budget estimates • Plan and prepare construction schedules and milestones and monitor progress against established schedules • Prepare contracts and negotiate revisions, changes and additions to contractual agreements with architects, consultants, clients, suppliers and subcontractors • Develop and implement quality control programs • Represent company on matters such as business services and union contracts negotiation • Prepare progress reports and issue progress schedules to clients • Direct the purchase of building materials and land acquisitions • Hire and supervise the activities of subcontractors and subordinate staff.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • commercial construction manager • industrial construction manager • project manager, construction • construction superintendent • general contractor • housing construction manager • pipeline construction manager • residential construction manager • construction manager
Wages (average for Canada)	\$40.87 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/24314/ca
Requirements	<ul style="list-style-type: none"> • A university degree in civil engineering or a college diploma in construction technology is usually required. • A master's degree in project management may be required. • Several years of experience in the construction industry, including experience as a construction supervisor or field superintendent, are usually required. • Extensive experience in the construction industry may substitute for post-secondary education requirements. • Professional engineering status or construction trade certification may be required by some employers.
Professional certification and Licensing	Regulated in Alberta and Quebec. See: https://www.jobbank.gc.ca/marketreport/requirements/24314/ca

Expertise	<ul style="list-style-type: none"> • Prepare and submit construction project budget estimates • Plan and prepare construction schedules and milestones and monitor progress • Prepare contracts and negotiate revisions, changes and additions to contractual agreements • Establish and implement policies and procedures for quality control • Select trade subcontractors and co-ordinate their activities • Plan and manage budgets • Direct the purchase of building materials and land acquisitions • Develop and implement quality control programs • Prepare reports • Oversee the analysis of data and information • Plan, organize, direct, control and evaluate daily operation
Essential Skills	<p>There are essential skills apply to this occupation.</p> <p>1. Skills</p> <p>Management</p> <ul style="list-style-type: none"> Co-ordinating and Organizing Recruiting and Hiring Evaluating Supervising <p>Analysis</p> <ul style="list-style-type: none"> Planning Projecting Outcomes Analyzing Information <p>Communication</p> <ul style="list-style-type: none"> Liaising and Networking Professional Communicating Advising and Consulting Negotiating and Adjudicating <p>Information</p> <ul style="list-style-type: none"> Processing Information <p>2. Knowledge</p> <p>Business, Finance and Management Help - Business, Finance and Management</p> <ul style="list-style-type: none"> Business Administration Business Management <p>Engineering and Technology Help - Engineering and Technology</p> <ul style="list-style-type: none"> Building and Construction <p>Law and Public Safety Help - Law and Public Safety</p> <ul style="list-style-type: none"> Public Safety and Security

	For more information see: https://www.jobbank.gc.ca/marketreport/skills/24314/ca https://www.jobbank.gc.ca/marketreport/skills/24314/ca
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

16 Heating System Mechanic

Occupation/Job	Heating System Mechanic
National Occupation Classification	7331
Description	Oil and solid fuel heating mechanics install and maintain oil, coal and wood heating systems in residential and commercial buildings. They are employed by heating systems installation and service companies.
Job Duties	<ul style="list-style-type: none"> • Read and interpret drawings or specifications to determine work to be performed • Lay out oil burner heating system components and assemble components using hand and power tools • Install oil burner components such as thermostats, motors, piping and safety devices, and connect to fuel supply, ventilation and electrical system • Test installed unit and adjust controls for proper functioning • Troubleshoot and repair malfunctioning oil burners, and their components and controls • Install, maintain and repair coal and wood heating systems • Perform scheduled maintenance service on oil and solid fuel heating systems.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • heating systems technician • heating service mechanic • furnace installer and repairer (except gas) • wood burner installer • oil burner installer • oil burner mechanic • oil burner mechanic apprentice •
Wages (average for Canada)	\$23.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/7699/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a three- to four-year apprenticeship program or A combination of over four years of work experience in the trade and some college or industry courses in heating systems installation and repair is usually required for trade certification. • Oil heat system technician trade certification is compulsory in Nova Scotia and New Brunswick and is available, but voluntary, in Newfoundland and Labrador, Prince Edward Island, British Columbia, the Yukon, the Northwest Territories and Nunavut. • Red Seal endorsement is also available to qualified oil heat system technicians upon successful completion of the interprovincial Red Seal examination.
Professional certification and Licensing	This trade is regulated. See https://www.jobbank.gc.ca/marketreport/requirements/7699/ca
Expertise	<ul style="list-style-type: none"> • Troubleshoot and repair malfunctioning oil burners, and their components and controls • Lay out oil burner heating system components and assemble components using hand and power tools

	<ul style="list-style-type: none"> • Test installed unit and adjust controls for proper functioning • Perform scheduled maintenance and service • Instruct apprentices • Install oil burner components and connect to fuel supply, ventilation and electrical system • Read and interpret blueprints, maps, drawings and specifications • Install, maintain and repair coal and wood heating systems
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7699/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

17 Insulation Applicator

Occupation/Job	Insulation Applicator
National Occupation Classification	7293
Description	Insulators apply insulation materials to plumbing, air-handling, heating, cooling and refrigeration systems, piping equipment and pressure vessels, and walls, floors and ceilings of buildings and other structures, to prevent or reduce the passage of heat, cold, sound or fire. They are employed by construction companies and insulation contractors, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Read and interpret drawings and specifications to determine insulation requirements and select type of insulation required • Measure and cut insulating material to required dimensions using hand and power tools • Apply and secure insulation using spraying, blowing, pasting, strapping, taping and other application and installation methods • Fit insulation around obstructions and between studs and joists • Install vapour barriers • Apply waterproofing cement over insulating materials to finish surfaces • Remove asbestos or urea-formaldehyde insulation from buildings when required.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • insulator apprentice • boiler and pipe insulator • building insulator • firestopping insulator • heat and frost insulator • insulation applicator • insulation mechanic • insulator • sound insulator
Wages (average for Canada)	\$27.50 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/17072/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a three- to four-year apprenticeship program or A combination of over four years of work experience in the trade and some high school, college or industry courses in insulating is usually required to be eligible for trade certification. • Trade certification for insulators (heat and frost) is compulsory in Quebec and available, but voluntary, in Newfoundland and Labrador, Nova Scotia, Prince Edward Island, New Brunswick, Manitoba, Saskatchewan, Alberta, British Columbia, the Yukon, the Northwest Territories and Nunavut. • Red Seal endorsement is also available to qualified insulators (heat and frost) upon successful completion of the interprovincial Red Seal examination.
Professional certification and Licensing	Regulated by prov/terr See: https://www.jobbank.gc.ca/marketreport/requirements/17072/ca
Expertise	<ul style="list-style-type: none"> • Select type of insulation required

	<ul style="list-style-type: none"> • Measure and cut insulating materials to required shape and dimensions using hand and power tools • Apply and secure insulation using spraying, blowing, pasting, strapping, taping and other application and installation methods • Fit insulation around obstructions and between joists and studs • Install vapour barriers and fire-retardant materials • Brush waterproofing cement or other material over insulating materials • Fabricate and apply removable insulation pads and covers • Assemble, erect and dismantle scaffolding, rigging and hoisting equipment • Remove asbestos, ceramic fibres, lead and mould and urea-formaldehyde insulation materials from buildings
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/17072/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

18 Construction Labourer

Occupation/Job	Construction Labourer
National Occupation Classification	7611
Description	Construction trades helpers and labourers assist skilled tradespersons and perform labouring activities at construction sites, in quarries and in surface mines. They are employed by construction companies, trade and labour contractors, and surface mine and quarry operators.
Job Duties	<ul style="list-style-type: none"> • Load and unload construction materials, and move materials to work areas • Erect and dismantle concrete forms, scaffolding, ramps, catwalks, shoring and barricades required at construction sites • Mix, pour and spread materials such as concrete and asphalt • Assist tradespersons such as carpenters, bricklayers, cement finishers, roofers and glaziers in construction activities • Assist heavy equipment operators to secure special attachments to equipment, signal operators to guide them in moving equipment and provide assistance in other activities • Assist in aligning pipes and perform related activities during oil and gas pipeline construction • Assist in drilling and blasting rock at construction sites • Assist miners in excavating and in setting up and operating various drills and other surface mining machinery • Level earth to fine grade specifications using rake and shovel • Assist in demolishing buildings using prying bars and other tools, and sort, clean and pile salvaged materials • Remove rubble and other debris at construction sites using rakes, shovels, wheelbarrows and other equipment • Operate pneumatic hammers, vibrators and tampers as directed • Tend or feed machines or equipment used in construction such as mixers, compressors and pumps • Clean up chemical spills and other contaminants, and remove asbestos and other hazardous materials • Oil and grease hoists and similar equipment • Direct traffic at or near construction sites • Perform other activities at construction sites, as directed.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • asphalt spreader • concrete mixer helper • drywall sander • roofer helper • plumber helper • pipeline mandrel operator • glazier helper • stabber - pipeline construction • construction labourer • construction helper • demolition worker • bricklayer helper • carpenter helper • labourer, concrete paving • labourer, excavation

	<ul style="list-style-type: none"> • flagman/woman • driller helper - surface mining
Wages (average for Canada)	<p>\$21.00</p> <p>See: https://www.jobbank.gc.ca/marketreport/wages-occupation/8447/ca</p>
Requirements	<ul style="list-style-type: none"> • Some experience as a general construction labourer may be required for construction trade helpers. • Some pipeline workers, such as stabbers, mandrel operators and pre-heater tenders, usually require one season of experience in oil and gas pipeline construction. • Flagmen/women may require a traffic control certificate.
Professional certification and Licensing	<p>Regulated in provinces/terr</p> <p>See: https://www.jobbank.gc.ca/marketreport/requirements/8447/ca</p>
Expertise	<ul style="list-style-type: none"> • Load, unload and transport construction materials • Erect and dismantle concrete forms, scaffolding, ramps, catwalks shoring and barricades • Mix, pour and spread materials • Assist heavy equipment operators • Assist in aligning pipes during pipeline construction • Assist in drilling and blasting rock on construction sites • Assist in framing houses, erecting walls and building roofs • Level earth to fine grade specifications • Pave and rake asphalt • Assist in demolishing buildings • Clean and pile salvaged materials • Clean up chemical spills and other contaminants • Remove rubble and other debris at construction sites • Tend or feed machines or equipment used in construction • Direct traffic at or near construction sites • Read and interpret blueprints
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry)

	For more information see: https://www.jobbank.gc.ca/marketreport/skills/8447/ca
Suggested Insurance requirements	Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices. Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability. Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).
Notes:	Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning. <i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i>
Source for information	www.jobbank.gc.ca

19 Land Surveyor

Occupation/Job	Land Surveyor
National Occupation Classification	2154
Description	Land surveyors plan, direct and conduct legal surveys to establish the location of real property boundaries, contours and other natural or human-made features, and prepare and maintain cross-sectional drawings, official plans, records and documents pertaining to these surveys. They are employed by federal, provincial and municipal governments, private sector land surveying establishments, real estate development, natural resource, engineering and construction firms, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Develop survey plans, methods and procedures for conducting legal surveys • Plan, direct and supervise or conduct surveys to establish and mark legal boundaries of properties, parcels of lands, provincial and Canada Lands, Aboriginal land claims, well sites, mining claims, utility rights-of-way, roadways and highways • Survey and lay out subdivisions for rural and urban development • Determine precise locations using electronic distance measuring equipment and global positioning systems (GPS) • Analyze, manage and display data using geographic information systems (GIS) and computer-aided design and drafting (CAD) • Record all measurements and other information obtained during survey activities • Prepare or supervise the preparation and compilation of all data, plans, charts, records and documents related to surveys of real property boundaries

	<ul style="list-style-type: none"> • Certify and assume liability for surveys made to establish real property boundaries • Advise, provide consultation and testify as an expert witness on matters related to legal surveys • May supervise other land surveyors, and land survey technologists and technicians.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • land surveyor • legal surveyor • professional land surveyor • property surveyor • commissioned land surveyor
Wages (average for Canada)	\$33.65 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/24419/ca
Requirements	<ul style="list-style-type: none"> • A bachelor's degree in geomatics engineering or survey engineering or A college diploma in survey science or geomatics technology with additional academic credits and successful completion of equivalent examinations set by a regional board of examiners for land surveyors is required. • A one- to three-year articling period is required. • Successful completion of professional land surveyor examinations is required. • A federal or provincial land surveyor's licence is required.
Professional certification and Licensing	Regulated in prov/terr See: https://www.jobbank.gc.ca/marketreport/requirements/24419/ca
Expertise	<ul style="list-style-type: none"> • Develop survey plans, methods and procedures for conducting legal surveys • Plan, direct and supervise or conduct surveys to establish legal boundaries of properties • Record all measurements and other information obtained during survey activities • Prepare or supervise the preparation and compilation of all data and documents related to surveys of real property boundaries • Certify and assume liability for surveys made to establish real property boundaries • Advise and provide consultation on matters related to legal surveys • Analyze, manage and display data using geographic information systems and computer-aided design and drafting • Determine precise locations using electronic distance measuring equipment • Survey and lay out subdivisions for rural and urban development
Essential Skills	Skills Working with Technological Equipment and Machinery Using Specialized Instrumentation and Equipment Management Supervising Analysis Planning Analyzing Information Communication Professional Communicating Advising and Consulting Information Handling

	<p>Processing Information Managing Information Knowledge Engineering and Technology Computer and Information Systems Building and Construction Engineering and Applied Technologies Law and Public Safety Law, Government, and Jurisprudence Mathematics and Science Mathematics Social Sciences and Arts Geography</p> <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/24419/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

20 Metal Framer

Occupation/Job	Metal Framer - Carpentry in Canada
National Occupation Classification	7271
Description	Carpenters construct, erect, install, maintain and repair structures and components of structures made of wood, wood substitutes, lightweight steel and other materials. They are employed by construction companies, carpentry contractors, and maintenance departments of factories, plants and other establishments, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Read and interpret blueprints, drawings and sketches to determine specifications and calculate requirements • Prepare layouts in conformance to building codes, using measuring tools • Measure, cut, shape, assemble and join materials made of wood, wood substitutes, lightweight steel and other materials • Build foundations, install floor beams, lay subflooring and erect walls and roof systems • Fit and install trim items, such as doors, stairs, moulding and hardware • Maintain, repair and renovate residences and wooden structures in mills, mines, hospitals, industrial plants and other establishments • Supervise apprentices and other construction workers • May prepare cost estimates for clients.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • carpenter-joiner • stair builder-carpenter • apprentice carpenter • carpenter • maintenance carpenter • renovation carpenter • rough carpenter • finish carpenter • journeyman/woman carpenter • metal framer - carpentry
Wages (average for Canada)	\$26.00. Please see https://www.jobbank.gc.ca/marketreport/wages-occupation/24602/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a three- to four-year apprenticeship program or A combination of over four years of work experience in the trade and some high school, college or industry courses in carpentry is usually required to be eligible for trade certification. • Trade certification for carpenters is compulsory in Quebec and available, but voluntary, in all other provinces and the territories. • Trade certification for framers is available, but voluntary, in Saskatchewan. • Red Seal endorsement is also available to qualified carpenters upon successful completion of the interprovincial Red Seal examination.

Professional certification and Licensing	<p>This trade might need to get a certification from a regulatory authority before you start working. Find out if this occupation is regulated in your province or territory.</p> <p>Please see https://www.jobbank.gc.ca/marketreport/requirements/24602/ca</p>
Expertise	<p>People working in this occupation usually apply the following skill set.</p> <ul style="list-style-type: none"> • Read and interpret blueprints, drawings and sketches to determine specifications and calculate requirements • Prepare layouts in conformance to building codes, using measuring tools • Measure, cut, shape, assemble and join materials made of wood, wood substitutes, lightweight steel and other materials • Build foundations, install floor beams, lay subflooring and erect walls and roof systems • Fit and install windows, doors, stairs, mouldings and hardware • Maintain, repair and renovate residences and wooden structures in mills, mines, hospitals, industrial plants and other establishments <p>For more information please see: https://www.jobbank.gc.ca/marketreport/skills/24602/ca</p>
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/24602/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p>

	<i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i>
Source for information	www.jobbank.gc.ca

21 Native Residential Construction Worker (Apprenticeship Program)

Occupation/Job	Native Residential Construction Worker (Apprenticeship Program)
National Occupation Classification	296A
Description	A Native Residential Construction Worker may work in any aspect of constructing a First Nations home, from excavating to finishing electrical or carpentry. They are trained in carpentry, electrical, and plumbing.
Job Duties	•
Job Titles that are Similar this occupation	The Native Residential Construction Worker is an apprenticeship program, which means that the student (apprentice) will alternate between periods of in-class theoretical/technical-based training and paid vocational experience working under the tutelage of an experienced journeyman. The in-school training consists of 2 Levels of training of 240 hours (8 weeks) each 'delivered in full-time, block format and is community-based.' Among the major topics to be covered during the in-class sessions are Blueprint Reading, Construction Management, Electrical, Exterior and Interior Finishing, Framing (floors, walls and roof), Formwork and Foundations, Plumbing, Safety, and Site Preparation.
Wages (average for Canada)	No Wage was provided, but see General Contractor for comparison
Requirements	<ul style="list-style-type: none"> • The Native Residential Construction Worker apprenticeship consists of 4,000 hours of on-the-job training. • Once you have successfully completed the apprenticeship requirements, you receive a Certificate of Apprenticeship and are certified as a journeyman in the trade. • A person with at least 4,000 hours of related work experience is eligible to apply for a Trade Equivalency Assessment (TEA) and, if successful, becomes certified as a journeyman in this trade.
Professional certification and Licensing	Not regulated
Expertise	These training standards for native residential construction workers are intended to be used by apprentice/trainees, instructors, and companies in Ontario, Canada, as a blueprint for training or as a prerequisite for prerequisite for accreditation/certification. The training standards identify skills required for this occupation and its related training program. They are designed specifically for documenting the apprentice/trainee's acquisition of skills. English and French versions of the text appear on adjoining pages. Introductory materials include directions to trainers and apprentice/trainee, forms to record employer information (address, telephone, summary of hours, and sign off), and a training unit completion form. Seventeen training units are included. For each training unit, general and terminal performance objectives are provided, with spaces for supervisor and apprentice signatures indicating completion of terminal performance objectives. Unit titles are as follows: (1) demonstrate safe working practices and techniques; (2) perform site planning and excavation; (3) build foundation; (4) rough frame structure; (5) construct roofing; (6) rough

	in electrical service and wiring; (7) rough in plumbing and drain work; (8) pour basement floor; (9) install exterior siding and soffits; (10) install prefabricated chimneys; (11) complete interior finishing; (12) finish electrical; (13) install kitchen cabinets; (14) install flooring; (15) landscape site; (16) construct stairways; and (17) manage a construction project. A competency analysis profile chart is attached. (NLA)
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see:</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

22 Painter

Occupation/Job	Painter, Construction
National Occupation Classification	7294
Description	Painters and decorators apply paint, wallpaper and other finishes to interior and exterior surfaces of buildings and other structures. They are employed by construction companies, painting contractors and building maintenance contractors, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Read specifications to determine quantities of materials required • Prepare and clean surfaces using methods such as scraping, sanding, sandblasting, hydro-blasting and steam-cleaning; remove old wallpaper and loose paint; repair cracks and holes in walls; and sandpaper and apply sealer • Mix and thin paint to obtain desired colour and texture • Apply paint or other materials, such as stains, lacquer, enamel, oil, varnish, fibreglass, metal coating or fire retardant using brushes, rollers or spray equipment • Measure, cut and apply wallpaper or fabric to walls • Assemble and erect scaffolding and swing stages • May advise customer on selection of colour schemes and choice of wall coverings • May provide cost estimates to clients.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • painter and decorator apprentice • paperhanger • maintenance painter • construction painter • painter and decorator • painter
Wages (average for Canada)	\$24.00 See https://www.jobbank.gc.ca/marketreport/wages-occupation/7450/ca
Requirements	<ul style="list-style-type: none"> • painter and decorator apprentice • paperhanger • maintenance painter • construction painter • painter and decorator • painter •

Professional certification and Licensing	Regulated in prov/terr See: https://www.jobbank.gc.ca/marketreport/requirements/7450/ca
Expertise	<ul style="list-style-type: none"> • Prepare, clean and sand surfaces to be painted • Repair cracks and holes • Mix paint to desired colour and texture • Measure, cut and apply wallpaper and other fabric to walls • Advise consumers on colours and choice of wall coverings • Erect scaffolding and swing stages and attach rigging • Apply paint, wallpaper and other materials and finishes to interior and exterior surfaces
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/8174/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

24 Plumber

Occupation/Job	Plumber
National Occupation Classification	7251
Description	Plumbers install, repair and maintain pipes, fixtures and other plumbing equipment used for water distribution and waste water disposal in residential, commercial and industrial buildings. They are employed in maintenance departments of factories, plants and similar establishments, by plumbing contractors, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Read blueprints, drawings and specifications to determine layout of plumbing system, water supply network and waste and drainage systems • Install, repair and maintain domestic, commercial or industrial plumbing fixtures and systems • Locate and mark positions for pipe connections, passage holes and fixtures in walls and floors • Cut opening in walls and floors to accommodate pipe and pipe fittings • Measure, cut, bend and thread pipes using hand and power tools or machines • Join pipes using couplings, clamps, screws, bolts, cement or soldering, brazing and welding equipment • Test pipes for leaks using air and water pressure gauges • May prepare cost estimates.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • plumber apprentice • maintenance plumber • plumber • plumbing mechanic
Wages (average for Canada)	\$30.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/4747/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Completion of a four- to five-year apprenticeship program or A combination of over five years of work experience in the trade and some high school, college or industry courses in plumbing is usually required to be eligible for trade certification. • Trade certification is compulsory in Nova Scotia, Prince Edward Island, New Brunswick, Quebec, Ontario, Saskatchewan and Alberta and available, but voluntary, in Newfoundland and Labrador, Manitoba, British Columbia, the Yukon, the Northwest Territories and Nunavut. • Red Seal endorsement is also available to qualified plumbers upon successful completion of the interprovincial Red Seal examination.
Professional certification and Licensing	Regulated by prov/terr bodies See: https://www.jobbank.gc.ca/marketreport/requirements/4747/ca
Expertise	<ul style="list-style-type: none"> • Read blueprints, drawings and specifications to determine layout of plumbing system, water supply network and waste and drainage systems • Install, repair and maintain domestic, commercial or industrial plumbing fixtures and systems • Locate and mark positions for pipe connections, passage holes and fixtures in walls and floors • Cut opening in walls and floors to accommodate pipe and pipe fittings

	<ul style="list-style-type: none"> • Join pipes using couplings, clamps, screws, bolts, cement or soldering, brazing and welding equipment • Test pipes for leaks using air and water pressure gauges • Determine piping system requirements and pipe sizing • Measure, cut, thread and bend pipes to required shape and size
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7699/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

25 Project Manager, Construction

Occupation/Job	Project Manager
National Occupation Classification	0711
Description	Construction managers plan, organize, direct, control and evaluate the activities of a construction company or a construction department within a company, under the direction of a general manager or other senior manager. They are employed by residential, commercial and industrial construction companies and by construction departments of companies outside the construction industry.
Job Duties	<ul style="list-style-type: none"> • Plan, organize, direct, control and evaluate construction projects from start to finish according to schedule, specifications and budget • Prepare and submit construction project budget estimates • Plan and prepare construction schedules and milestones and monitor progress against established schedules • Prepare contracts and negotiate revisions, changes and additions to contractual agreements with architects, consultants, clients, suppliers and subcontractors • Develop and implement quality control programs • Represent company on matters such as business services and union contracts negotiation • Prepare progress reports and issue progress schedules to clients • Direct the purchase of building materials and land acquisitions • Hire and supervise the activities of subcontractors and subordinate staff.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • commercial construction manager • industrial construction manager • project manager, construction • construction superintendent • general contractor • housing construction manager • pipeline construction manager • residential construction manager • construction manager
Wages (average for Canada)	\$40.87 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/24311/ca
Requirements	<ul style="list-style-type: none"> • A university degree in civil engineering or a college diploma in construction technology is usually required. • A master's degree in project management may be required. • Several years of experience in the construction industry, including experience as a construction supervisor or field superintendent, are usually required. • Extensive experience in the construction industry may substitute for post-secondary education requirements. • Professional engineering status or construction trade certification may be required by some employers.
Professional certification and Licensing	Regulated in AB,Qc See https://www.jobbank.gc.ca/marketreport/requirements/24311/ca

Expertise	<ul style="list-style-type: none"> • Prepare and submit construction project budget estimates • Plan and prepare construction schedules and milestones and monitor progress • Prepare contracts and negotiate revisions, changes and additions to contractual agreements • Establish and implement policies and procedures for quality control • Select trade subcontractors and co-ordinate their activities • Plan and manage budgets • Direct the purchase of building materials and land acquisitions • Develop and implement quality control programs • Prepare reports • Oversee the analysis of data and information • Plan, organize, direct, control and evaluate daily operations
Essential Skills	<p>Skills</p> <p>Management</p> <ul style="list-style-type: none"> Co-ordinating and Organizing Evaluating Recruiting and Hiring Supervising <p>Analysis</p> <ul style="list-style-type: none"> Analyzing Information Planning Projecting Outcomes <p>Communication</p> <ul style="list-style-type: none"> Advising and Consulting Liaising and Networking Negotiating and Adjudicating Professional Communicating <p>Information</p> <ul style="list-style-type: none"> Processing Information <p>Knowledge</p> <ul style="list-style-type: none"> Business, Finance and Management <ul style="list-style-type: none"> Business Administration Business Management Engineering and Technology <ul style="list-style-type: none"> Building and Construction Law and Public Safety <ul style="list-style-type: none"> Public Safety and Security <p>See: https://www.jobbank.gc.ca/marketreport/skills/24311/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p>

	<p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

26 Roofer

Occupation/Job	Roofer
National Occupation Classification	7291
Description	Roofer install, repair or replace flat roofs as well as shingles, shakes or other roofing tiles on sloped roofs. Shinglers install and replace shingles, tiles and similar coverings on sloped roofs. They are employed by roofing and general contractors, or they may be self-employed.
Job Duties	<p>Roofer</p> <ul style="list-style-type: none"> • Install, repair or replace built-up roofing systems using materials such as asphalt saturated felts and hot asphalt and gravel • Install, repair or replace single-ply roofing system using waterproof sheet materials such as modified plastics, elastomeric or other asphaltic compositions • Install, repair or replace shingles, shakes and other roofing tiles on sloped roofs of buildings • Install sheet metal flashings • Apply waterproof coatings to concrete or other masonry surfaces below or above ground level • Install and repair metal roofs using hand and power tools • Set up scaffolding to provide safe access to roofs • May estimate materials required and quote costs. <p>Shinglers</p> <ul style="list-style-type: none"> • Install or replace asphalt shingles, wood shingles and shakes and masonry or baked clay roofing tiles on sloped roofs of buildings • Set up scaffolding to provide safe access to roofs.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • apprentice roofer • roofer

	<ul style="list-style-type: none"> • built-up roofer • flat roofer • single-ply roofer • shingler • asphalt roofer • residential steep roofer
Wages (average for Canada)	\$26.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/17033/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • For roofers, completion of a two- to three-year apprenticeship program or Over three years of work experience in the trade are usually required to be eligible for trade certification. • Roofing trade certification is compulsory in Quebec and available, but voluntary, in all other provinces and the territories. • Trade certification for residential steep roofers is available, but voluntary, in British Columbia. • Red Seal endorsement is also available to qualified roofers upon successful completion of the interprovincial Red Seal examination. • Shinglers require one to two years of on-the-job training.
Professional certification and Licensing	This trade might need to get a certification from a regulatory authority before you start working. Find out if this occupation is regulated in your province or territory. Yes, this trade is regulated Please see https://www.jobbank.gc.ca/marketreport/requirements/17033/ca
Expertise	<ul style="list-style-type: none"> • Install, repair or replace single-ply roofing system using waterproof sheet materials such as modified plastics, elastomeric or other asphaltic compositions • Apply waterproof coatings to concrete or other masonry surfaces below or above ground level • Install, repair or replace built-up roofing systems using materials such as asphalt saturated felts and hot asphalt and gravel • Install and repair metal roofs using hand and power tools • Install sheet metal flashings • Install, repair or replace shingles, shakes and other roofing tiles on sloped roofs of buildings • Install or replace asphalt shingles, wood shingles and shakes and masonry or baked clay roofing tiles on sloped roofs of buildings
Essential Skills	There are essential skills apply to this occupation. <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others

	<p>9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry)</p> <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/17033/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	<p>www.jobbank.gc.ca</p>

27 Siding Contractor

Occupation/Job	Siding Contractor
National Occupation Classification	7205
Description	Contractors and supervisors, other construction trades, installers, repairers and servicers supervise and co-ordinate the activities of various tradespersons, installers, repairers and servicers classified in the following minor groups: Masonry and plastering trades (728), Other construction trades (729) and Other installers, repairers and servicers (744). They are employed by a wide range of establishments; places of employment are indicated in the unit group descriptions. Contractors may be self-employed. This unit group also includes prefabricated product installation and service contractors and proprietors of some repair and service establishments.
Job Duties	<ul style="list-style-type: none"> • Supervise, co-ordinate and schedule the activities of construction workers engaged in bricklaying, roofing, cement finishing, tile setting, plastering, drywall installation, glazing, insulating and painting, and workers who install and service prefabricated products in residential and commercial properties, as well as workers who repair a wide variety of products, such as musical instruments, sports equipment, vending machines, bicycles and cameras • Establish methods to meet work schedules and co-ordinate work activities with other subcontractors • Resolve work problems and recommend measures to improve productivity and product quality • Requisition materials and supplies • Train workers in job duties, safety procedures and company policies • Recommend personnel actions such as hirings and promotions • Prepare work progress reports • May manage the operations of own company • May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers. • Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • pest control supervisor • supervisor, bicycle repair shop • supervisor, painters and decorators • supervisor, tilesetters • cement finishing contractor • bricklaying contractor • painting contractor • roofing contractor • foreman/woman, insulators • foreman/woman, plasterers • foreman/woman, glazie
Wages (average for Canada)	\$32.28 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/7019/ca

Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Several years of experience in the trade or in the work area supervised are usually required. • Journeyman/woman trade certification may be required for some occupations in this unit group.
Professional certification and Licensing	See: https://www.jobbank.gc.ca/marketreport/requirements/7019/ca
Expertise	<ul style="list-style-type: none"> • Supervise workers and projects • Co-ordinate and schedule activities • Train or arrange for training • Manage own company • Set up machines and equipment • Recommend personnel actions • Ensure health and safety regulations are followed • Read blueprints and drawings • Requisition or order materials, equipment and supplies
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7019/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.

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Source for information	www.jobbank.gc.ca

28 Siding, Soffits, Bricklayer

Occupation/Job	Siding/soffits Contractor
National Occupation Classification	7205
Description	contractors and supervisors, other construction trades, installers, repairers and servicers supervise and co-ordinate the activities of various tradespersons, installers, repairers and servicers classified in the following minor groups: Masonry and plastering trades (728), Other construction trades (729) and Other installers, repairers and servicers (744). They are employed by a wide range of establishments; places of employment are indicated in the unit group descriptions. Contractors may be self-employed. This unit group also includes prefabricated product installation and service contractors and proprietors of some repair and service establishments.
Job Duties	<ul style="list-style-type: none"> • Supervise, co-ordinate and schedule the activities of construction workers engaged in bricklaying, roofing, cement finishing, tilesetting, plastering, drywall installation, glazing, insulating and painting, and workers who install and service prefabricated products in residential and commercial properties, as well as workers who repair a wide variety of products, such as musical instruments, sports equipment, vending machines, bicycles and cameras • Establish methods to meet work schedules and co-ordinate work activities with other subcontractors • Resolve work problems and recommend measures to improve productivity and product quality • Requisition materials and supplies • Train workers in job duties, safety procedures and company policies • Recommend personnel actions such as hirings and promotions • Prepare work progress reports • May manage the operations of own company • May also supervise, co-ordinate and schedule the activities of related apprentices, helpers and labourers. • Small businesses' contractors may execute tasks within their trade area of expertise, which is generally not the case for supervisors or contractors associated with a medium or large business.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • pest control supervisor • supervisor, bicycle repair shop • supervisor, painters and decorators • supervisor, tilesetters • cement finishing contractor • bricklaying contractor

	<ul style="list-style-type: none"> • painting contractor • roofing contractor • foreman/woman, insulators • foreman/woman, plasterers • foreman/woman, glaziers
Wages (average for Canada)	\$32.28 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/7019/ca
Requirements	<ul style="list-style-type: none"> • Completion of secondary school is usually required. • Several years of experience in the trade or in the work area supervised are usually required. • Journeyman/woman trade certification may be required for some occupations in this unit group
Professional certification and Licensing	Only PEI regulates this trade See: https://www.jobbank.gc.ca/marketreport/requirements/7019/ca
Expertise	<ul style="list-style-type: none"> • Supervise workers and projects • Co-ordinate and schedule activities • Train or arrange for training • Manage own company • Set up machines and equipment • Recommend personnel actions • Ensure health and safety regulations are followed • Read blueprints and drawings • Requisition or order materials, equipment and supplies
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/7019/ca</p>
Suggested Insurance requirements	Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.

	<p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

29 Solar Panel Installer

Occupation/Job	Solar Panel Installer
National Occupation Classification	7441
Description	Residential and commercial installers and servicers install and service a wide variety of interior and exterior prefabricated products such as windows, doors, electrical appliances, water heaters, fences, play structures and septic and irrigation systems at residential, commercial or institutional properties. They are employed by companies specializing in specific product installation and service.
Job Duties	<ul style="list-style-type: none"> • Read blueprints or work order specifications to determine layout and installation procedures • Measure and mark guidelines to be used for installations • Install, repair and service interior prefabricated products such as doors, windows, kitchen cupboards, bathroom vanities, water heaters and household appliances using hand and power tools • Install, repair and service exterior prefabricated products such as siding, shutters, awnings, fencing, decks, septic and irrigation systems, signs and play structures using hand and power tools.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • siding installer • swimming pool installer • recreation structure erector • water conditioner servicer • sign installer • aluminum window installer • exterior cladder • kitchen cupboard and vanity installer • hot tub installer

	<ul style="list-style-type: none"> • eavestrough installer • electric appliance installer • fence erector • water heater servicer • window installer • irrigation technician - installation and maintenance
Wages (average for Canada)	\$22.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/27267/ca
Requirements	<ul style="list-style-type: none"> • Some secondary school education is usually required. • On-the-job training and several months of related installing, repairing or servicing experience are usually required. • A driver's licence may be required.
Professional certification and Licensing	Regulated in AB,BC, ON See: https://www.jobbank.gc.ca/marketreport/requirements/27267/ca
Expertise	<ul style="list-style-type: none"> • Determine layout and installation procedures • Measure and mark guidelines to be used for installations • Load and unload trucks with supplies and equipment • Utilize hand and power tools • Read and interpret blueprints, maps, drawings and specifications • Erect and install scaffolding, falsework and other working platforms • Install, repair and service interior or exterior prefabricated products
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/27267/ca</p>
Suggested Insurance requirements	Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.

	<p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

30 Tile Setter

Occupation/Job	Tile Setter
National Occupation Classification	7283
Description	Tilesetters cover interior and exterior walls, floors and ceilings with ceramic, marble and quarry tile, mosaics or terrazzo. They are employed by construction companies and masonry contractors, or they may be self-employed.
Job Duties	<ul style="list-style-type: none"> • Prepare, clean and sand surfaces to be painted • Repair cracks and holes • Mix paint to desired colour and texture • Measure, cut and apply wallpaper and other fabric to walls • Advise consumers on colours and choice of wall coverings • Erect scaffolding and swing stages and attach rigging • Apply paint, wallpaper and other materials and finishes to interior and exterior surfaces
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • Prepare, clean and sand surfaces to be painted • Repair cracks and holes • Mix paint to desired colour and texture • Measure, cut and apply wallpaper and other fabric to walls • Advise consumers on colours and choice of wall coverings • Erect scaffolding and swing stages and attach rigging • Apply paint, wallpaper and other materials and finishes to interior and exterior surfaces •
Wages (average for Canada)	\$31.48 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/17013/ca

Requirements	<ul style="list-style-type: none"> • Prepare, clean and sand surfaces to be painted • Repair cracks and holes • Mix paint to desired colour and texture • Measure, cut and apply wallpaper and other fabric to walls • Advise consumers on colours and choice of wall coverings • Erect scaffolding and swing stages and attach rigging • Apply paint, wallpaper and other materials and finishes to interior and exterior surfaces
Professional certification and Licensing	Regulated by AB, BC, NB, NFLD, NS, ON, PEI, Qc,SK See: https://www.jobbank.gc.ca/marketreport/requirements/17013/ca
Expertise	<ul style="list-style-type: none"> • Prepare, clean and sand surfaces to be painted • Repair cracks and holes • Mix paint to desired colour and texture • Measure, cut and apply wallpaper and other fabric to walls • Advise consumers on colours and choice of wall coverings • Erect scaffolding and swing stages and attach rigging • Apply paint, wallpaper and other materials and finishes to interior and exterior surfaces
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/requirements/17013/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.

	<i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i>
Source for information	www.jobbank.gc.ca

31 Window/Door Installer

Occupation/Job	Window and Door Installer
National Occupation Classification	7441
Description	Residential and commercial installers and servicers install and service a wide variety of interior and exterior prefabricated products such as windows, doors, electrical appliances, water heaters, fences, play structures and septic and irrigation systems at residential, commercial or institutional properties. They are employed by companies specializing in specific product installation and service.
Job Duties	<ul style="list-style-type: none"> • Read blueprints or work order specifications to determine layout and installation procedures • Measure and mark guidelines to be used for installations • Install, repair and service interior prefabricated products such as doors, windows, kitchen cupboards, bathroom vanities, water heaters and household appliances using hand and power tools • Install, repair and service exterior prefabricated products such as siding, shutters, awnings, fencing, decks, septic and irrigation systems, signs and play structures using hand and power tools.
Job Titles that are Similar this occupation	<ul style="list-style-type: none"> • siding installer • swimming pool installer • recreation structure erector • water conditioner servicer • sign installer • aluminum window installer • exterior cladder • kitchen cupboard and vanity installer • hot tub installer • eavestrough installer • electric appliance installer • fence erector • water heater servicer • window installer • irrigation technician - installation and maintenance
Wages (average for Canada)	\$22.00 See: https://www.jobbank.gc.ca/marketreport/wages-occupation/8174/ca
Requirements	<ul style="list-style-type: none"> • Some secondary school education is usually required.

	<ul style="list-style-type: none"> • On-the-job training and several months of related installing, repairing or servicing experience are usually required. • A driver's licence may be required.
Professional certification and Licensing	Regulated in AB, BC, ON See: https://www.jobbank.gc.ca/marketreport/requirements/8174/ca
Expertise	<ul style="list-style-type: none"> • Determine layout and installation procedures • Measure and mark guidelines to be used for installations • Load and unload trucks with supplies and equipment • Utilize hand and power tools • Read and interpret blueprints, maps, drawings and specifications • Erect and install scaffolding, falsework and other working platforms • Install, repair and service interior or exterior prefabricated products
Essential Skills	<p>There are essential skills apply to this occupation.</p> <ol style="list-style-type: none"> 1. Reading 2. Document use 3. Writing 4. Numeracy 5. Oral communication 6. Thinking 7. Digital technology 8. Working with Others 9. Continuous learning (There is a requirement for ongoing learning to maintain current knowledge of codes, regulations, standards and materials. It is also very important to apply new skills and methods emerging due to technological advancements. Many provinces and territories are active in the renovation and restoration of existing structures. Carpenters require the knowledge and skills to work in this sector of the construction industry) <p>For more information see: https://www.jobbank.gc.ca/marketreport/skills/8174/ca</p>
Suggested Insurance requirements	<p>Commercial General Liability Insurance - pay claims when you lose a lawsuit with an injured customer, employee, or vendor. The injury could be physical, or it could be a financial loss based on advertising practices.</p> <p>Worker's compensation insurance - This type of insurance protects a business and its owner(s) from claims by employees who suffer a work-related injury, illness or disease. Workers comp typically provides the injured employee with benefits to cover medical expenses, a portion of his/her lost wages, rehabilitation costs if applicable, and permanent partial or permanent total disability.</p> <p>Surety Bond - Bonding is a contract where one party, the SURETY (who assures the obligee that the principal can perform the task), guarantees the performance of certain obligations of a second party, the PRINCIPAL (the contractor or business who will perform the contractual obligation), to a third party, the OBLIGEE (the project owner who is the recipient of an obligation).</p>
Notes:	<p>Important to ask for the most recent education/training/webinars they have taken as part of their ongoing learning.</p> <p><i>Disclaimer: The information provided is for informational purposes only and not for the purpose of providing legal or financial advice. Important for the Council to contact your lawyer or Council administrator to obtain advice with respect to any particular insurance or building contracts.</i></p>
Source for information	www.jobbank.gc.ca

Appendix A – How to use Job Bank Website

How to use the Job Bank Website

1. Go to www.jobbank.gc.ca
2. Under the menu and click on “Career planning”
3. Under Career Planning select “Choose a career”.
4. Click on “Search by field of study” and another menu called “search by occupation”
5. You will get a drop-down member called “occupation”. In that box type the occupation or job name.
6. For example, put in the word “painter” and click on search. (no need to put in a name in the location)
7. Under painter you will have a list of 21 different types of painter as an occupation. Select the one that is best suited to what you are looking for. For example, click on “Painter, construction (7294)”
8. You will then come to page called “Construction Painter in Canada”. On this page you have submenus that include Summary, Description, Wages, Prospects, Jobs, Requirements, Skills and Search. Under each submenu you have additional valuable information.

Appendix B – Construction Education & Training

This portion of this guide provides information and resources for education and training. A few examples are noted below. (Note: there are other education and training providers on most every province or territory.)

Construction education is provided at a number of community colleges across Canada. The list provided is not a comprehensive list of colleges with “Construction” related trades and likewise not all the specific trades listed are available at those specific colleges. It’s best to check what courses or training may be available near you.

When considering what program you want, take into account a few factors, such as how much time you want to go to school, internship/mentoring and what hands-on training options are available, and what type of trade you want to pursue after finishing school. The other considerations are the courses offered - in person in class/shop or online or a combination of the two.

- Aboriginal Construction – (Vancouver Island) <https://www.viu.ca/programs/trades-applied-technology/aboriginal-construction>
- Alberta (Trades & Occupation list) What’s required- <https://tradesecrets.alberta.ca/trades-occupations/trades-occupations-list/>
- BC Government Program - <https://news.gov.bc.ca/releases/2015ARR0045-001829>
- Construction Building/Renovations - <https://www.ontariocolleges.ca/en/programs/professions-and-trades/construction-building-renovation>

Appendix C – Professional Organization: Construction Related Associations

Professional organizations exist to help promote higher standards for providing a communication and networking system and set of standards leading to greater benefits of the individual and community.

“Tradespersons who have successfully passed the Red Seal examination receive a Red Seal endorsement on their provincial/territorial trade certificate. The Red Seal, when affixed to a provincial or territorial trade certificate, indicates that a tradesperson has demonstrated the knowledge required for the national standard in that trade.”

Source: <https://www.red-seal.ca/about/pr.4gr.1m-eng.html>

A few examples include organization such as: (Note: there are other associations that may be found for your province or territory.)

Engineering Related: (Technicians & Technologist)

- ASTTBC - <https://asttbc.org/>
- OACETT - <https://www.oacett.org/>

Construction Related:

- Canadian Home Builders Association - <http://www.chba.ca/>
- Manitoba Home Builders - <https://www.homebuilders.mb.ca/>
- Ontario Home Builders Association - <https://www.ohba.ca/>
- Prince Albert Construction Association - <https://www.pacaonline.ca/>
- Red Seal Program (Skilled Trades & Apprenticeship) - <https://www.canada.ca/en/employment-social-development/programs/skilled-trades-apprenticeships.html>
- Saskatchewan – Designated Trades - <https://saskapprenticeship.ca/designated-trades-searchable/>