

Millwright



Description of the trade

- Installs, repairs, adjusts, assembles and disassembles, and handles machinery
- Manufactures jigs for this machinery
- Some types of machinery: conveyors, turbines, windmills, compressors, towers, shredders, production lines

ACCESS TO CONSTRUCTION SITES

- Present to the CCQ proof of completion of DEP - Industrial Construction and Maintenance Mechanics and of a job guarantee from an employer registered with the CCQ, for at least 150 hours spread over three consecutive months. This leads to an apprentice competency certificate in the trade.

APPRENTICESHIP SYSTEM

- Have completed the three apprenticeship periods of 2,000 hours each (6,000 hours total) in order to be eligible for the provincial qualification examination that leads to obtaining the journeyman competency certificate for the trade.

SKILLS AND INTERESTS

- Acquire knowledge related to mathematics, computers, chemistry, physics, automation, welding, and machine-tooling and hoisting
- Be ingenious and resourceful
- Be precise
- Be dextrous and in good physical condition
- Be capable of moving heavy objects and working in a team

Average annual salary

Apprentice*	\$22,945
Journeyman**	\$42,685
Journeyman working at least 500 hours	\$63,215
Proportion***	62%

* Average salary of graduates admitted in 2014, for the 12 months following their admission.
 ** Average salary in 2015 of those having reported at least one hour of work.
 *** Proportion of journeymen in this trade having accumulated at least 500 hours in 2015. Does not include income that may have been made for work not falling under the construction collective agreements.

Integration into the labour market

	Annual average 2011-2014	2015
New admissions to the CCQ	49	17
Placement rate of graduates*	92.5%	n/a

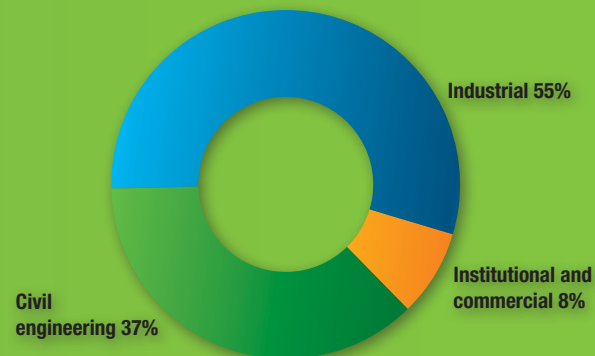
* Source: *La Relance au secondaire en formation professionnelle*, survey by the Ministère de l'Éducation et de l'Enseignement supérieur du Québec. New graduates are asked about their employment situation on June 1, after they have obtained their diploma.

Hourly wage* according to the collective agreements

	Industrial, institutional and commercial	Civil engineering and roadwork	Light residential
Apprentice			
1 st period	\$22.79	\$22.81	\$21.39
2 nd period	\$26.59	\$26.61	\$24.96
3 rd period	\$32.29	\$32.31	\$30.30
Journeyman	\$37.99	\$38.01	\$35.65

*Wage in May 2016.

Volume of work per sector



Job prospects



- The amount of construction work done by millwrights fluctuates from year to year. The number of workers may drop suddenly between two major projects. In 2015, the number of working millwrights dropped to 1,018.
- Most of the 176 companies that hire millwrights specialize in industrial construction or installation of electromechanical equipment in hydroelectric power stations.
- The industry admitted 17 new apprentices in 2015, below the average for the four previous years (49). The installation of machinery is not always covered by the construction collective agreements, but when it is, an apprentice earns an average of \$22,900 during the first year, and the average annual salary of a journeyman who works at least 500 hours is \$63,200.
- Activity in the industry will remain somewhat depressed for this trade in coming years and the need for new workers will be fairly limited. Many workers currently available will be able to meet a good part of the demand.

Training

Study program:

Diploma of vocational studies (DEP) - Mécanique industrielle de construction et d'entretien (5260) and Industrial Construction and Maintenance Mechanics (5760)

Duration of training: 1,800 hours

Academic prerequisite: Category 1*

* The academic prerequisites for all trades and occupations in this brochure are described on page 74.

Training generally offered in the following regions:

- Abitibi-Témiscamingue
- Bas-Saint-Laurent
- Capitale-Nationale
- Centre-du-Québec
- Chaudière-Appalaches
- Côte-Nord
- Estrie
- Lanaudière
- Laurentides*
- Laval
- Mauricie
- Montérégie*
- Montréal
- Nord-du-Québec*
- Outaouais
- Saguenay-Lac-Saint-Jean



To find out which public facilities are authorized to offer this study program, consult the website www.inforoutefpt.org

* Training also offered in English in this region.

Employed workers in 2015

Abitibi-Témiscamingue	36
Bas-Saint-Laurent-Gaspésie	111
Côte-Nord	85
Estrie	23
Island of Montréal	40
Laval-Laurentides-Lanaudière	142
Mauricie-Bois-Francs	151
Montérégie	198
Outaouais	15
Québec	94
Saguenay-Lac-Saint-Jean	122
Outside of Québec and Baie-James	1
Total	1,018

Number of employed women 3

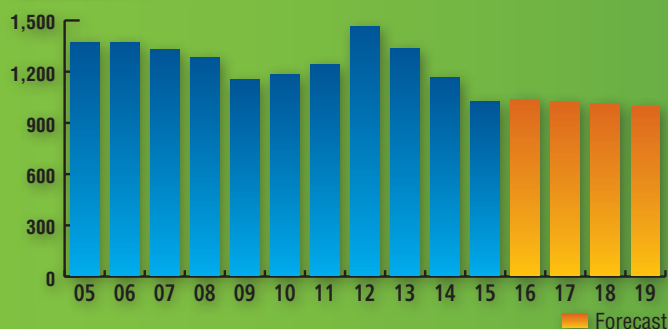
Worker mobility

Proportion of workers who travel from one region to another:*

Millwright	33%
All trades and occupations	16%

* Excluding travel between the Montérégie, Island of Montréal, and Laval-Laurentides-Lanaudière regions.

Number of employed workers 2005-2019



Age of the workforce in 2015

	Average age	Under 30 years	30-54 years	55 years and over	Total number of workers
Apprentice	33	48%	43%	9%	130
Journeyman	47	8%	60%	32%	888
Total, millwrights	45	14%	58%	28%	1,018
All trades and occupations	39	27%	58%	15%	153,040