

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.
- Measures are in place to increase the presence of women on construction sites by 2018. Consult them at mixite.ccq.org.

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**	\$23,867
Journeyman***	\$59,540
Journeyman working at least 500 hours	\$82,850
Proportion****	68%

* Includes premiums, overtime hours, and compensation for paid statutory holidays and the obligatory annual vacations provided in the collective agreements.
 ** 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 2012-2015	2016
New admissions to the CCQ	44	29
Placement rate of graduates*	9.1%	n/a

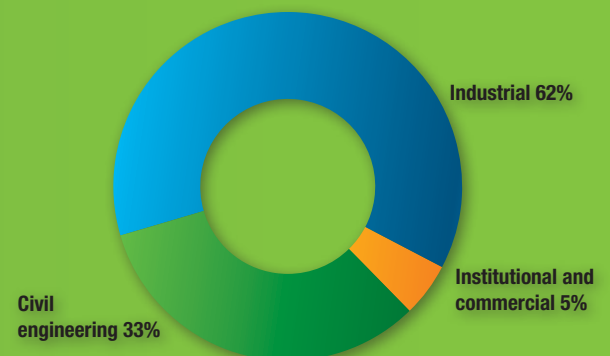
* Source: *La Relance au secondaire en formation professionnelle*, survey by the Ministère de l'Éducation et de l'Enseignement supérieur du Québec. New graduates are asked about their employment situation on June 1, after they have obtained their diploma.

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 number of millwrights active in 2016 remained stable, with 1,022 active in the industry. Note that activity by millwrights can vary significantly. For example, staffing can vary greatly between two major sites.
- In 2016, 171 employers hired millwrights. They work primarily in the industrial sector, in which the level of activity should remain stable in coming years.
- There were 29 new apprentices in 2016, more than in 2015 but still below the average for the past four years (44). On average, an apprentice earns \$23,800 in the first year of work on sites covered by collective agreements. The average annual income of a journeyman working at least 500 hours rises to \$82,850. Note that installation of machinery is not always covered by construction industry collective agreements.
- Employment in this trade will decline slightly. When combined with the very high availability of workers, this limits job prospects for millwrights, although the workforce is aging.

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.

Number of employed workers in 2016

Abitibi-Témiscamingue	49
Bas-Saint-Laurent-Gaspésie	124
Côte-Nord	82
Estrie	19
Island of Montréal	39
Laval-Laurentides-Lanaudière	133
Mauricie-Bois-Francs	172
Montérégie	176
Outaouais	16
Québec	99
Saguenay-Lac-Saint-Jean	113
Outside of Québec and Baie-James	0
Total	1,022

Number of employed women 3

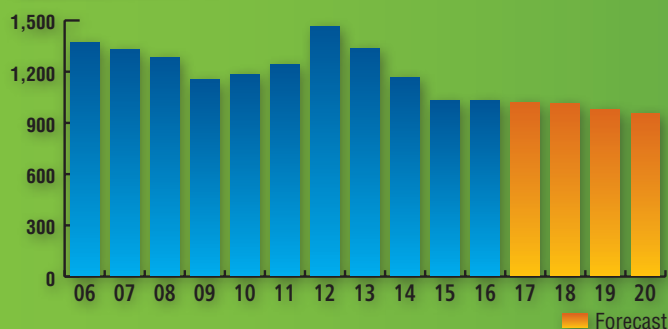
Worker mobility

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

Millwright	46%
All trades and occupations	17%

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

Number of employed workers from 2006 to 2020



Age of the workforce in 2016

	Average age	Under 30 years	30-54 years	55 years and over	Total number of workers
Apprentice	33	53%	42%	5%	114
Journeyman	47	9%	56%	35%	908
Total, millwrights	46	14%	55%	31%	1,022
All trades and occupations	39	26%	58%	16%	153,700