



Crane operator

(including operator of concrete pump with distribution mast)

Description of the trade

- Operates all types of cranes, including conventional truck-mounted on tracks or trucks, hydraulic telescoping cranes, boom trucks, and tower cranes
- Operates travelling cranes and boring machines
- Operates concrete pumps with distribution mast

ACCESS TO CONSTRUCTION SITES

- Present to the CCQ proof of completion of DEP - Conduite de grues 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 two 2,000-hour apprenticeship periods (4,000 hours total) in order to be eligible to take the qualification examination for the trade of crane operator; passing this exam leads to obtaining a journeyman competency certificate in the trade.
- Have completed the 2,000-hour apprenticeship period devoted strictly to work in the specialty of operator of

concrete pump with distribution mast, in order to be eligible to take the provincial qualification examination for this specialty; passing the exam leads to obtaining a journeyman competency certificate in this specialty.

SKILLS AND INTERESTS

- Acquire knowledge related to concepts of electricity, electronics, mathematics, applied physics, and thermodynamics
- Know how to interpret different symbols and signals
- Be precise and independent
- Be in good physical condition, have good dexterity and movement coordination
- Not suffer from vertigo, dizziness, or claustrophobia
- Be able to communicate effectively
- Due to risks to his or her own safety and that of others, the crane operator must always act responsibly

Average annual salary*

Apprentice**	\$31,683
Journeyman***	\$62,077
Journeyman working at least 500 hours	\$75,282
Proportion****	80%

* 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	54	53
Placement rate of graduates*	97.5%	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.

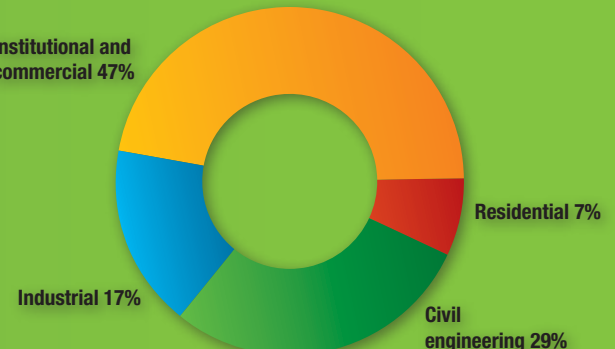
Hourly wage* according to the collective agreements

	Industrial, institutional and commercial	Civil engineering and roadwork	Light residential
Apprentice 1 st period – Class A	\$26.59	\$26.61	\$23.95
Apprentice 2 nd period – Class A	\$32.29	\$32.31	\$29.08
Journeyman – Class A	\$37.99	\$38.01	\$34.21
Apprentice 1 st period – Class B	\$25.43	\$25.55	\$23.21
Apprentice 2 nd period – Class B	\$30.88	\$31.03	\$28.19
Journeyman – Class B	\$36.33	\$36.50	\$33.16

*Wage in May 2016.

Volume of work per sector

Institutional and commercial 47%



Residential 7%

Industrial 17%

Civil engineering 29%

Job prospects



- In 2016, there were 1,687 crane operators on construction sites, employed by some 400 construction companies.
- Almost half the work volume is in the institutional and commercial sector, where activity is expected to gradually decline in coming years. However, the civil engineering and roadwork sector, where crane operators perform almost 30% of their work, should see some growth.
- The industry brought in 53 new apprentices in 2016, equal to the annual average from 2012 to 2015 (54). Most hold a diploma and quickly find a job after graduation. An apprentice's average annual income is \$31,700, while a journeyman working more than 500 hours (80% of journeymen) earns \$62,000 in 2017.
- Although there is some aging of workers, job prospects will be fairly limited for crane operators in coming years. Employment is declining slightly and part of the need for workers will be met by those currently available.

Training

Study program:

Diploma of vocational studies (DEP) -
Conduite de grues (5248)

Duration of training: 870 hours

Academic prerequisite: Category 2*

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

Training generally offered in the following region:

- Montérégie



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

Number of employed workers in 2016

Abitibi-Témiscamingue	50
Bas-Saint-Laurent-Gaspésie	93
Côte-Nord	75
Estrie	51
Island of Montréal	83
Laval-Laurentides-Lanaudière	389
Mauricie-Bois-Francs	102
Montérégie	416
Outaouais	87
Québec	233
Saguenay-Lac-Saint-Jean	95
Outside of Québec and Baie-James	13
Total	1,687

Number of employed women 12

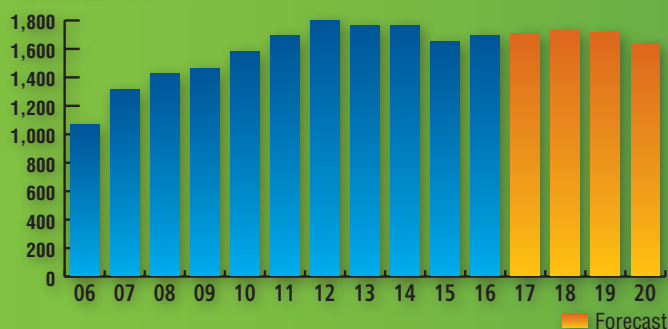
Worker mobility

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

Crane operator	32%
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	32	50%	47%	3%	225
Journeyman	46	10%	64%	26%	1,462
Total, crane operators	44	15%	62%	23%	1,687
All trades and occupations	39	26%	58%	16%	153,700