

## 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
- Some crane operators practise the specialty of operator of concrete pump with distribution mast

## **Crane operator**

(including operator of concrete pump with distribution mast)

## Access to CONSTRUCTION SITES

Present to the CCQ his or her academic transcript attesting that he or she has graduated with a DEP Conduite de grues and an employment guarantee of at least 150 hours from an employer registered with the organization. This measure allows individuals to obtain an apprentice competency certificate in the trade.

## **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
- Due to risks to his or her own safety and that of others, the crane operator must always act responsibly
- Be able to communicate effectively

#### Average annual salary

Apprentice\* \$82,216
Journeyman\*\* \$82,445
Journeyman working at least 500 hours \$92,232
Proportion\*\*\* 88%

- \* Average salary of graduates admitted in 2011, for the 12 months following their admission.
- Average salary in 2012 of those having reported at least one hour of work.
   Proportion of journeymen in this trade having accumulated at least 500 hours in 2012.
   Does not include income that may have been made for work not falling under the construction collective agreements.

#### **Hourly wage\*** according to the collective agreements

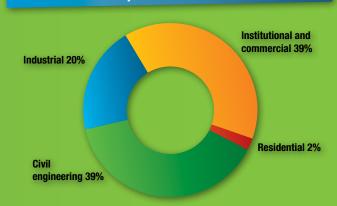
a	Industrial, institutional nd commercial	Civil engineering and roadwork	Light residential
Apprentice 1st period – Class A	\$30.17	\$24.93	\$22.52
Apprentice 2nd period – Class A	_	\$30.27	\$27.34
Journeyman – Class A	\$35.49	\$35.61	\$32.17
Apprentice 1st period – Class B	\$28.85	\$23.93	\$21.83
Apprentice 2nd period – Class B	-	\$29.06	\$26.51
Journeyman – Class B	\$33.94	\$34.19	\$31.19
		*Wage	e in July 2013.

## Integration into the labour market

	Annual average 2008-2011	2012	
New admissions to the CCQ	40	41	
Placement rate of graduates*	95.8%	100%	

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

### Volume of work per sector



## Job prospects



- In 2012, 1,369 crane operators were working on construction sites. Since 1999, employment has grown constantly. About 300 construction companies hire crane operators.
- The amount of activity per sector is quite stable from one year
  to the next. Almost 40% of the volume of work is generated in
  institutional and commercial construction, and an equal proportion
  in the civil engineering and roadwork sector. The industrial sector
  accounts for 20% of the volume of work.
- The industry admitted 41 new apprentices in 2012. Almost all of these new workers are graduates and quickly find a job after they receive their diploma. The average salary earned by a journeyman who works more than 500 hours reached \$92,200 – one of the highest salaries for all trades – in 2012.
- Job prospects are high for coming years. Demand will drop slightly as activity in the civil engineering and roadwork, which has been very strong, should slow. On the other hand, new workers will be needed as crane operators aged 55 years and older retire.

# 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 Web site www.inforoutefpt.org

The economic data supplied for this chart do not include those for operators of a concrete pump with distribution mast. Due to a change in the apprenticeship program, holders of a competency certificate for this specialty have been included in the data for the trade of crane operator only since July 2013.

## **Employed workers in 2012**

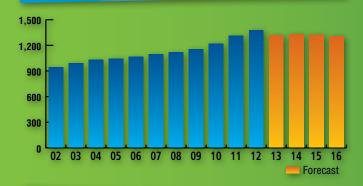
ALTER TO december 2	07
Abitibi-Témiscamingue	37
Bas-Saint-Laurent-Gaspésie	91
Côte-Nord	82
Estrie	41
Montréal	87
Laval-Laurentides-Lanaudière	288
Mauricie-Bois-Francs	100
Montérégie	275
Outaouais	55
Québec	179
Saguenay-Lac-Saint-Jean	96
Outside of Québec and Baie-James	38
Total	1,369
Number of employed women	7

### **Worker mobility**

Proportion of workers who travel from one region to another:*	rtion of workers who travel from one region to another:*		
Crane operator	50%		
All trades and occupations	19%		

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

## Number of employed workers 2002-2016



## Age of the workforce in 2012

	Average age	Under 30 years	30-54 years	55 years and over	Total number of workers
Apprentice	32	48%	48%	4%	109
Journeyman	47	9%	58%	33%	1,260
Total, crane operators	46	13%	57%	30%	1,369
All trades and occupations	39	30%	57%	13%	163,314