

Description of the trade

The trade of heavy equipment operator has four specialties.

- Tractor operator: specialist who may operate different types of tractors, such as bulldozers, loader-backhoes, and front-end loaders
- Leveller operator: specialist who operates levellers
- Spreader operator: specialist who operates asphalt and cement spreaders, graders, etc.
- Roller operator: specialist who operates motorized compactors (double-drum, combined, and pneumatic)

Heavy equipment operator

Access to Construction sites

 Present to the CCQ his or her academic transcript attesting that he or she has graduated with a DEP -Conduite d'engins de chantier 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 the 2,000-hour apprenticeship period in order to be eligible for the provincial qualification examinations in the four specialties, which, successfully completed, will enable you to obtain a journeyman competency certificate in each specialty.

SKILLS AND INTERESTS

- Acquire knowledge related to the reading of plans, survey monuments, and concepts of mechanics, hydraulics, and electricity
- · Be resourceful, careful, and vigilant
- · Be capable of working alone
- Have good physical coordination

Annual average 2010-2013

210

84.8%

2014

110

n/a

Be dextrous

Integration into the labour market

Average annual salary

Apprentice* \$18,978
Journeyman** \$33,545
Journeyman working at least 500 hours \$48,356
Proportion*** 65%

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

4. l'Éducation, de l'Enseignement supérieur et de la Recherche du Québec. New graduates are asked about their employment situation on June 1, after they have obtained their diploma.

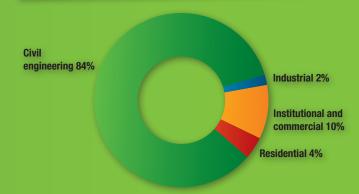
Hourly wage* according to the collective agreements

	Industrial, institutional and commercial	Civil engineering and roadwork	Light residential	
Apprentice – Class AA	\$30.03	\$29.72	-	
Journeyman – Class AA	\$35.33	\$34.97	-	
Apprentice – Class A	\$29.07	\$28.83	\$26.69	
Journeyman – Class A	\$34.20	\$33.92	\$31.40	
Apprentice – Class B	\$28.32	\$28.16	\$26.06	
Journeyman – Class B	\$33.32	\$33.13	\$30.66	

Volume of work per sector

New admissions to the CCO

Placement rate of graduates*



* Source: La Relance au secondaire en formation professionnelle, survey by the Ministère de

Job prospects



- Three were 6,345 heavy equipment operators in 2014, working for more than 1,800 employers. They use different kinds of equipment. In addition to tractors, apprentices learn to operate rollers, spreaders, levellers, and backhoes.
- This trade has seen somewhat of a slowdown in employment in recent years, as jobs are found mainly in the civil engineering and roadwork sector. However, this sector should be stimulated in coming years by major projects such as the Turcot interchange and the Champlain Bridge. The work is seasonal: there are five times more workers on the job in summer than in winter.
- Fewer new apprentices were admitted into the industry in 2014, 110, compared to the average of 210 per year over the four previous years. In the first year of work, the average salary of an apprentice with a diploma is \$19,000, and a journeyman who works at least 500 hours earns \$48,400 per year.
- Job prospects for heavy equipment operators are quite high.
 Demand will be growing strongly in coming years, but part of this demand will be filled by the currently available workers.

Training

Study program:

Diploma of vocational studies (DEP) -Conduite d'engins de chantier (5220)

Duration of training: 1,095 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 regions:

- Chaudière-Appalaches
- Montérégie



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

Employed workers in 2014

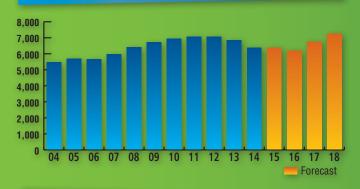
Abitibi-Témiscamingue Bas-Saint-Laurent-Gaspésie Côte-Nord Estrie Island of Montréal Laval-Laurentides-Lanaudière Mauricie-Bois-Francs Montérégie Outaouais Québec Saguenay-Lac-Saint-Jean	255 622 263 220 265 1,206 490 1,034 272 1,208 481
Outside of Québec and Baie-James	481 29
Total	6,345
Number of employed women	49

Worker mobility

Proportion of workers who travel from one region to another:*			
Heavy equipment operator	22%		
All trades and occupations	17%		

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

Number of employed workers 2004-2018



Age of the workforce in 2014

	Average age	Under 30 years	30-54 years	55 years and over	Total number of workers
Apprentice	35	54%	44%	2%	820
Journeyman	47	22%	47%	31%	5,525
Total, heavy equipment operators	45	26%	46%	28%	6,345
All trades and occupations	39	41%	44%	15%	157,703