

Surveyor



Description of the occupation

- Gathers, transfers, calculates, and puts into plans surveying data using specialized instruments (electronic notebook, conventional or electronic total station, GPS receiver, calculation software, design software, etc.) in order to produce plans or define projected structures
- Supplies data regarding alignment, altitude, orientation, and dimension of various lots or types of infrastructure (industrial or commercial complexes, buildings, residences, roads, etc.)

ACCESS TO CONSTRUCTION SITES

- Individuals who show to the CCQ proof of graduation with a DEP - Arpentage et topographie may register for the 15-hour course Cours de connaissance générale de l'industrie de la construction (CCGIC), in order to obtain an occupation competency certificate.
- The number of places reserved for the CCGIC depends on labour needs established annually by the construction industry.
- Measures are in place to increase the presence of women on construction sites by 2018. Consult them at mixite.ccq.org.

SKILLS AND INTERESTS

- Like working outdoors
- Acquire knowledge linked to application of concepts in mathematics, geodesy, topography, surveying
- Be at ease with computerized equipment (software, calculators, etc.)
- Have a sense of team spirit and a good capacity for analysis
- Be independent, accurate, and careful
- Be available to travel to different regions

Average annual salary*

Surveyor**	\$49,231
Those working more than 500 hours	\$62,814
Proportion***	76%

* Includes premiums, overtime hours, and compensation for paid statutory holidays and the obligatory annual vacations provided in the collective agreements.

** Average 2015 salary of those having reported at least one hour of work.

*** Proportion of workers in this occupation having accumulated at least 500 hours in 2015. Does not include income that may have been earned for work not falling under the construction collective agreements.

Integration into the labour market

	Annual average 2012-2015	2016
New admissions to the CCQ	62	44
Placement rate of graduates*	15.7%	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
Surveyor	\$37.21	\$37.21	\$31.78
Surveyor class 2	\$31.63	\$31.63	—

*Wage in May 2016.

Volume of work per sector

Civil
engineering 89%

Industrial 2%

Institutional and
commercial 9%



Job prospects



- The number of surveyors remained relatively stable in 2016, with 1,066 surveyors on construction sites. Almost 90% of the surveyors' work volume is performed in the civil engineering and roadwork sector.
- Almost one third of surveyors must travel outside their home region to work. Women represented 8% of the workforce for this occupation in 2016.
- In 2016, 44 new surveyors entered the industry, less than the annual average for the previous four years (62).
- The average annual income of surveyors is \$49,200, but those working more than 500 hours average \$62,800.
- Job prospects for this trade are quite good, although employment is declining slightly and part of the need could be met by workers currently available.

Training

Study program:

Diploma of vocational studies (DEP) - Arpentage et topographie (5238)

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:

- Capitale-Nationale
- Montérégie
- Montréal
- Saguenay-Lac-Saint-Jean



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	26
Bas-Saint-Laurent-Gaspésie	66
Côte-Nord	43
Estrie	40
Island of Montréal	68
Laval-Laurentides-Lanaudière	168
Mauricie-Bois-Francs	72
Montérégie	165
Outaouais	18
Québec	265
Saguenay-Lac-Saint-Jean	134
Outside of Québec and Baie-James	1
Total	1,066

Number of employed women 86

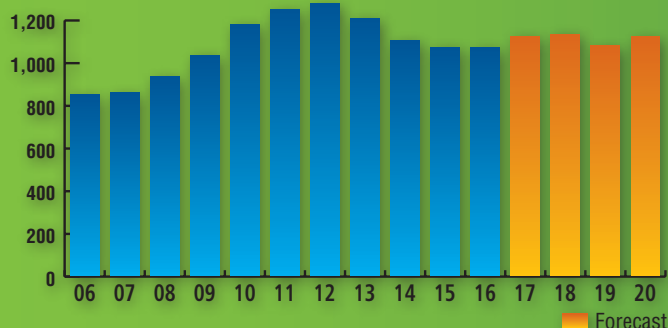
Worker mobility

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

Surveyor	30%
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
Surveyor	39	22%	67%	11%	1,066
All trades and occupations	39	26%	58%	16%	153,700