



Description of the speciality

- Installs, overhauls, alters, repairs, and maintains various security systems, such as fire alarms, burglar alarms, and emergency-communications, access-card, and video-surveillance systems

Electrician

specializing in security systems installation

ACCESS TO CONSTRUCTION SITES

- Present to the CCQ proof of completion of DEP - Installation et entretien de systèmes de sécurité 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 electronics, electricity, computers, operation of computer systems, and problem-resolution processes
- Be independent and careful
- Be capable of reading English
- Be able to adjust apparatuses precisely
- Have good near vision
- Have good physical agility and dexterity

Average annual salary*

Apprentice**	\$17,692
Journeyman***	\$35,658
Journeyman working at least 500 hours	\$52,197
Proportion****	65%

* 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	67	87
Placement rate of graduates*	8.2%	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	\$18.42	\$18.73	\$17.21
2 nd period	\$21.49	\$21.85	\$20.08
3 rd period	\$26.10	\$26.54	\$24.39
Journeyman	\$30.70	\$31.22	\$28.69

*Wage in May 2016.

Volume of work per sector

Institutional and
commercial 94%



Residential 5%

Industrial 1%

Job prospects



- The construction industry employed 1,285 employees in the security systems installation specialty in 2016, working for almost 400 employers.
- Institutional and commercial construction provides virtually all the hours worked by security systems installers (94% of hours). Work volume in this sector is forecast to decline in coming years.
- In 2016, 87 apprentices were admitted to this specialty, more than the average for the past four years. Vocational school graduates account for 83% of apprentices. The average income of a graduate apprentice is \$17,700 in the first year after entering the industry, and can rise to \$35,700 a year for a journeyman. Two thirds (65%) of journeymen work at least 500 hours and earn \$52,200.
- Job prospects are quite good for electricians specializing in security systems installation. High workforce turnover will create demand, but this will be met in part by workers currently available.

Training

Study program:

Diploma of vocational studies (DEP) - Installation et entretien de systèmes de sécurité (5296)

Duration of training: 1,485 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



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	15
Bas-Saint-Laurent-Gaspésie	20
Côte-Nord	13
Estrie	36
Island of Montréal	135
Laval-Laurentides-Lanaudière	309
Mauricie-Bois-Francs	79
Montérégie	337
Outaouais	28
Québec	271
Saguenay-Lac-Saint-Jean	38
Outside of Québec and Baie-James	4
Total	1,285

Number of employed women 22

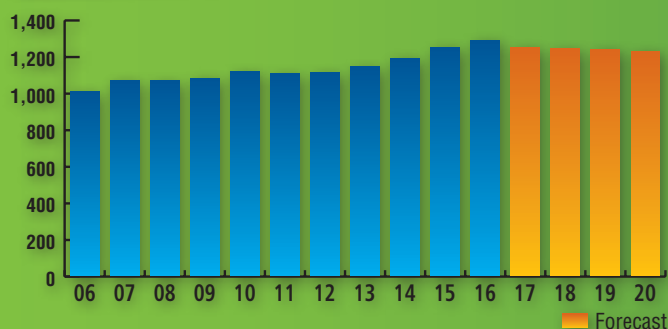
Worker mobility

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

Security systems installer	14%
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	30	63%	34%	3%	319
Journeyman	45	13%	69%	18%	966
Total, security systems installers	41	22%	64%	14%	1,285
All trades and occupations	39	26%	58%	16%	153,700