

## **Architectural Glass and Metal Technician**

Trades Qualification and Apprenticeship Act

Voluntary Trade

Designated Red Seal Trade

Trade Code 424A

NOC 7292

### **Description**

- Read and interpret blueprints and specifications to determine type and thickness of glass, frame, installation procedure and materials required
- Measure and mark glass and cut glass using glass cutters or computerized cutters
- Assemble, erect and dismantle scaffolds, rigging and hoisting equipment
- Position glass panes into frames and secure glass using clips, points or mouldings
- Assemble and install prefabricated glass, mirrors or glass products on walls, ceilings or exteriors of buildings
- Fabricate metal frames for glass installation
- Install pre-cut mirrors and opaque and transparent glass panels in frames to form exterior walls of buildings
- Replace glass in furniture and other products
- Repair and service residential windows, commercial aluminum doors and other glass supporting structures, and replace damaged glass or faulty sealant

### **Personal Qualities**

- You may be required to work at considerable heights
- You will work outside at various times of the year
- You have the stamina to be on your feet for long periods of time
- You are safety conscious
- You are in good physical condition
- Review Essential Skills profile for additional qualities [srv108.services.gc.ca/english/profiles/215.shtml](http://srv108.services.gc.ca/english/profiles/215.shtml)

### **Career Opportunities**

- Architectural Glass and metal technicians work for construction glass installation contractors, retail service and repair shops and glass fabrication shops
- Many construction glass contractors employ union tradespersons
- Some architectural glass and metal technicians have their own business

### **Educational/Training Requirements**

- The minimum entry for apprenticeship is Grade 10; however, it is recommended you complete grade 12 with credits in Math, English, Science and technological courses
- Completion of a 4 year apprenticeship program at 2,000 hours per year
- If you have completed 8,000 hours of on the job experience/training but have not completed the Apprenticeship program you may be eligible to challenge the Certificate of Qualification

### **Training Availability**

#### Apprenticeship Training

Ontario Industrial Finishing Skills Centre

Toronto, ON

[www.oifsc.com](http://www.oifsc.com)

## Potential Earnings

- Apprentices start according to individual company rates and progress along the company's wage scale
- Wages<sup>1</sup> range from \$18.00 to \$36.45 an hour, excluding overtime, with journeypersons usually earning the higher end of the pay scale

## Prospects For Employment

- Ratio for journeyperson/apprentice is 1:1 or 2:1
- Employment is expected to grow about as fast as the average for all occupations through the year 2014<sup>2</sup>
- Employment opportunities are linked to the economy and are somewhat cyclical

## Financial Incentives

- Employers who employ first, second and third year apprentices can apply for the Apprenticeship Training Tax Credit
- Employers who employ first and second year apprentices can apply for the Apprenticeship Job Creation Tax Credit
- Apprentices are able to apply for the Apprenticeship Incentive Grant
- Apprentices may also be able to apply for the Tradesperson's Tools Tax Deduction

## Additional Information

Apprenticeship Subject Pathways

[www.edu.gov.on.ca/eng/training/apprenticeship/skills/pathwaye.pdf](http://www.edu.gov.on.ca/eng/training/apprenticeship/skills/pathwaye.pdf)

National Occupational Classification

[www5.hrsdc.gc.ca/NOC-CNP/](http://www5.hrsdc.gc.ca/NOC-CNP/)

Made With the Trades

[www.madewiththetrades.com/exploretrades.php](http://www.madewiththetrades.com/exploretrades.php)

Ontario Construction Secretariat

[www.iciconstruction.com](http://www.iciconstruction.com)

<sup>1</sup> [www.labourmarketinformation.ca](http://www.labourmarketinformation.ca)

<sup>2</sup> [www.careersinconstruction.ca/profiles/profile\\_gmm\\_graph\\_e.asp?p=ON](http://www.careersinconstruction.ca/profiles/profile_gmm_graph_e.asp?p=ON)