



STATE OF NEW YORK  
DEPARTMENT OF LABOR

APPENDIX A

GLAZIER  
D.O.T. CODE 865.381-010

This training outline is a minimum standard for Work Processes and Related Instruction. Changes in technology and regulations may result in the need for additional on-the-job or classroom training.

WORK PROCESSES

	<u>Approximate Hours</u>
A. <u>Tools and Equipment</u>	500
1. Shop Training Techniques	
2. Scaffolding Techniques	
3. First Aid and Safety	
4. Field Blueprint Reading	
5. Reading of Specifications	
6. Rigging and Material Handling	
B. <u>Glazing Types of Openings</u>	500
1. Glazing of wood and metal sashes	
2. Glazing of tube doors, partitions and other types of openings	
3. Glazing Installations using putty, moldings, rubber, plastic, gasket settings, sealants, and mastics	
C. <u>Setting of All Types of Sashes</u>	1,200
1. Curtain Wall	
2. Window Wall	
3. Revolving Doors	
4. Ribbon Window Systems	
5. Structural Glazing	
6. Suspended Glazing	
D. <u>Setting of all Types of Glassing</u>	1,800
1. Plate, Prism, Beveled, and Protecting Glass	
2. Panels and Window Glass	
3. Mirrors of all types	
4. Wire Glass, Ribbed and Heat Absorbing Glass	
5. Ground, Colored, Figured	
6. All other types of Opaque Glass	

D.	<u>Setting of all Types of Glassing</u>	
	7. Tempered Glass and all types of Insulating Glass Units for Solar Energy system	
	8. Window Panels and similar types of Insulated Glass	
	9. All Plastic or Other Similar Materials when used in Place of Glass	
	10. Setting or Glazing with Putty, Molding, Rubber, Gaskets Setting, Sealants	
	11. Skylights, Doors, Frames, Stone, Wall Case Showcases, Bookcases, Sideboard, Partitions, and Fixtures	
	12. Temporary, Permanent, On or for Building in the course of Construction, Repair or Replacement	
E.	<u>Fabrication and Prefabrication of Doors, Frames and Tube Work</u>	700
	1. Prefabricaton Units and Fabricated Units	
	2. Fabrication in Shop or On the Job Site	
	3. Setting Shower Doors and Tub Enclosures	
F.	<u>Setting All Types of Multiple Glazed</u>	300
G.	<u>Setting All Types of Door, Aluminum and Automatic, Hinges, Hardware, Closers, Locks, Exit Devices, Thresholds, Etc.</u>	700
H.	<u>Handling and Use of all Products Associated with Glass Industry</u>	100
I.	<u>Miscellaneous Glazing</u>	200
	Total Hours	6,000

*Apprenticeship work processes are applicable only to training curricula for apprentices in approved programs. Apprenticeship work processes have no impact on classification determinations under Article 8 or 9 of the Labor Law. For guidance regarding classification for purposes of Article 8 or 9 of the Labor Law, please refer to <http://www.labor.state.ny.us/workerprotection/publicwork/PDFs/Article8FAQS.pdf>*

## APPENDIX B

### GLAZIER

#### RELATED INSTRUCTION

##### Safety (16 hours)

Fundamentals (4 hours, 1<sup>st</sup> year)

Trade Safety (12 hours, 2<sup>nd</sup> year)

OSHA 10-Hour Construction Course – if required for Public Work

##### Asbestos Safety:

If apprentice will do any handling of asbestos:

Successfully complete a course approved by the New York State Department of Health for “Asbestos Handler” and obtain, and keep current, an “Asbestos Handler (Worker)” certificate from the New York State Department of Labor

If apprentice will do no handling of asbestos:

Asbestos Awareness – minimum 4 hours (see attachment)

##### Blueprint Reading and Sketching

Elementary Blueprint Reading and Sketching

How to read specifications

Layout of templates

##### Mathematics

Fundamentals of arithmetic (including fractions and decimals)

Measurement

Estimating (materials)

##### Industrial History and Labor Relations (20 hours)

History and background (6 hours, 1<sup>st</sup> year)

Current laws and practices (14 hours, 2<sup>nd</sup> year)

##### Trade Theory

Basic building construction

History of the glazing industry

Modern glass manufacturing processes

Composition and properties of modern glass and glass substitutes

Pressure differential/pressure equalization

##### Trade Science

Care and use of glazier’s tools

Materials of the trade

Fabrication of templates

Practical glass cutting and polishing procedures

Cutting and handling laminated glass

Applications of cements, putties, mastics, adhesives

Sealants

Glazier Related Instruction – continued

Typical mountings for the installing of glass  
Fastening devices used in various installations  
Trade hardware  
Practices of store front erection  
Structural framing  
Structural glass installation  
Handling and installing large glass panes  
Transits and levels  
Welding and metal cutting

First Aid (6.5 hours every 3 years)

Sexual Harassment Prevention Training (3 hours minimum)

Other Related Courses as Necessary

A Minimum of 144 Hours of Related Instruction is Required for Each Apprentice for Each Year.

## ATTACHMENT TO APPENDIX B

### Asbestos Awareness

This course must be delivered by one of the following:

1. A provider currently approved by the New York State Department of Health to deliver asbestos safety training.
2. A person holding a current Asbestos Handler certificate from the New York State Department of Labor in the title of: Inspector, Supervisor, Project Monitor, Management Planner, or Project Designer.
3. Anyone otherwise approved by the New York State Education Department.

Minimum course contents must include the following:

1. Definition of asbestos
2. Types and physical characteristics
3. Uses and applications
4. Health effects:
  - Asbestos-related diseases
  - Risks to families
  - Cigarette smoking
  - Lack of safe exposure level
5. Employer-specific procedures to follow in case of potential exposure, including making a supervisor or building owner immediately aware of any suspected incidental asbestos disturbance so that proper containment and abatement procedures can be initiated promptly.

**Notwithstanding the above course requirement, employers are advised that they must also be in compliance with New York State Department of Labor Industrial Code Rule 56 at all times.**

**Employers are further advised, and must advise all apprentices, that completion of the above course requirement does not authorize any person to remove, encapsulate, enclose, repair, disturb, or abate in any manner, any friable or non-friable asbestos, asbestos containing material, presumed asbestos containing material, or suspect miscellaneous asbestos containing material.**