

# GLAZING, CERTIFICATE OF PROFICIENCY



This program is offered in partnership with the International Union of Painters and Allied Trades at various local training centers around the state. Students must be currently working in a registered apprenticeship program in conjunction with the U.S. Department of Labor, Bureau of Apprenticeship and Training.

This certificate emphasizes the skill set required to be a highly skilled craftsman. The Glazier cuts and installs all types of glass. Materials include clear and heat absorbing glass, obscure glass, mirrors, leaded glass panels and insulating glass. Glazier also fabricates aluminum entrances, sidelights and show windows, and works with plastic and porcelain panels in metal and wood frames. The apprenticeship certificate recognizes student attaining journey level status at the completion of the technical studies.

**Program contact:** Learn more

Financial Assistance funds cannot be applied towards this program.

**This certificate will be automatically awarded when the certificate requirements are completed. If you do not want to receive the certificate, please notify the Office of the Registrar at [RegistrarOffice@tri-c.edu](mailto:RegistrarOffice@tri-c.edu).**

Learn more about how certificate credits apply to the related degree.

## Program Admission Requirements

- Aptitude test - Contact program coordinator for information
- Intent-to-hire agreement with participating contractor
- Participant must be working in an apprenticeship in conjunction with the U.S. Department of Labor, Bureau of Apprenticeship and Training

## Next Steps to Apply

- Individuals interested in this program/certificate must reach out to the training center of your choice listed at the bottom of the Glazing program page on the Tri-C website.
- The union must select and admit you into the apprenticeship program first.
- Once accepted into the apprenticeship program, a Tri-C representative will work with you directly to enroll in the credit courses. Each of the classes will be held at your training center.

## Program Learning Outcomes

This program is designed to prepare students to demonstrate the following learning outcomes:

1. Apply basic math concepts to accurately determine material and labor needs for a specific task.
2. Apply fundamentals of workplace health and safety related to the construction site commensurate with state, federal, local, contractors and customer's standards and policies.
3. Identify and resolve unexpected issues that impede successful and timely completion of a specified task.
4. Demonstrate effective listening, verbal, written, and conflict management skills to communicate accurately and respectfully with co-workers and customers.
5. Apply finishing trade skills, techniques, and philosophies to complete the assigned task in an efficient, timely and professional manner.
6. Interpret drawings and use principles of glass, layout techniques, math, materials, tools and equipment to properly fabricate, assemble, and install all types of glass window and door systems.
7. Sit for welding certification as it relates to the glazing industry.

## Suggested Semester Sequence

First Semester		Credit Hours
ATGL-1330	Hand Tools for Glaziers	2
ATGL-1620	Glass and Mirror Replacement and Installation	2
ATGL-1630	Basic Welding	2
ATPT-1300	Introduction to Painting, Drywall Finishing, and Glazing	2
ATPT-1320	Safety Standards for Construction (OSHA-10)	3
Select one of the following:		2
ATGL-xxxx	ATGL Elective course	
ATPT-xxxx	ATPT Elective course	
ATDW-xxxx	ATDW Elective course	
<b>Credit Hours</b>		<b>13</b>
Second Semester		
ATGL-1640	Door Fabrication and Installation	2
ATGL-2330	Transits, Leveling Instruments, and Lasers	2
ATGL-2350	Curtainwall Fabric & Install	2
ATPT-1650	Blueprints I: Construction Fundamentals	2
ATPT-2320	Safe Work Practices	3
Select one of the following:		2
ATDW-xxxx	ATDW Elective course	
ATGL-xxxx	ATGL Elective course	
ATPT-xxxx	ATPT Elective course	
<b>Credit Hours</b>		<b>13</b>
Summer Completion		
ATGL-2340	Advanced Welding	2
ATPT-1640	Rigging & Hoisting	2
<b>Credit Hours</b>		<b>4</b>
<b>Total Credit Hours</b>		<b>30</b>

MATH-1140, MATH-1141, MATH-1200, MATH-1270, and MATH-1280 can no longer count towards fulfilling the college-level mathematics requirement. These courses were re-classified as developmental mathematics by the state of Ohio in 2016. Tri-C established a 5-year transitioning window for students who had completed these courses

prior to 2016 to apply them towards meeting graduation requirements, which expired in Summer 2021. It is highly recommended to see a counselor to determine the appropriate math required for your current major.