

O.21
WORK PROCESS SCHEDULE
GLAZIER
O*NET-SOC CODE: 47-2121.00 RAPIDS CODE: 0221/0221HY

This trade schedule is attached to and a part of the Apprenticeship Standards for the above identified occupation. This sequence of Related Classroom Instruction is competency-based and will be offered as traditional classroom training or independent study, which may include electronic media.

1. TERM OF APPRENTICESHIP

The term of the occupation shall be three (3) with an OJL attainment of a minimum of 3,900 or 6,000 hours supplemented by the required hours of related instruction.

2. RATIO OF APPRENTICES TO JOURNEYPERSONS

One (1) Apprentice to three (3) Journeypersons: one apprentice for the first skilled journeyperson employed, and one additional apprentice for each additional three (3) skilled journeypersons employed thereafter. A fraction-there-of will be adhered to.

3. APPRENTICE WAGE SCHEDULE

Apprentices shall be paid a progressively increasing schedule of wages based on a percentage of the current journeyperson wage rate.

Term: 6000 Hours

- 1st 750 hours = 50 percent of journeyperson's rate
- 2nd 750 hours = 55 percent of journeyperson's rate
- 3rd 750 hours = 60 percent of journeyperson's rate
- 4th 750 hours = 65 percent of journeyperson's rate
- 5th 750 hours = 70 percent of journeyperson's rate
- 6th 750 hours = 75 percent of journeyperson's rate
- 7th 750 hours = 80 percent of journeyperson's rate
- 8th 750 hours = 90 percent of journeyperson's rate

4. SCHEDULE OF WORK EXPERIENCE (See attached Work Process Schedule)

Apprenticeship Oversight Committee may add to the work processes prior to submitting these Standards to the Division of Apprentice Training for approval.

5. SCHEDULE OF RELATED TECHNICAL INSTRUCTION (See attached Related Classroom Instruction Outline)

Instruction can incorporate elements of both electronic media and traditional classroom including online training, distance learning, or independent study of established curriculum.

Curricula modules are based on industry standardized applications of current construction practices. Modules are knowledge and skill based including a system for assessment. The assessment will include task objectives, procedures, review materials, and competency-based performance tests.

O.21 - WORK PROCESS SCHEDULE

HOURS

The following schedule is an example of work experience (OJL) and training considered necessary to develop a skilled and productive worker in the Glazier trade. Within the limits of basic trade requirements, the schedule is adaptable to local conditions.

3-Year Program

	Approximate Hours
Core Skills	325 - 500
Materials, Frames, & Components	1000 - 1600
Glass Installation	1000 - 1600
Specialty Installations	600 - 1100
Supplemental Skills	975 - 1200
TOTAL HOURS	3900 - 6000

O.21 - GLAZIER RELATED CLASSROOM INSTRUCTION

Note: Due to regional and local code differences and climate conditions, duration of instructional competencies/modules is suggested estimates only.

Recommended Training

FIRST YEAR:

The glazing apprenticeship and trade

The apprenticeship system

The history of glazing

Safe working practices

Laws, benefits, and services of special interest to workers

Basic Mathematics

Whole numbers

Common fractions

Decimal fractions

Percentages

Compound Numbers

Areas of circles and triangles

Tools and equipment

Tools for measurement and layout

Cutting tools

Hand tools and equipment

Power tools and equipment

Power-actuated tool systems

Materials

Glass and related glazing materials

Glazing sealants

SECOND YEAR

Store fronts

Metal and glass measurements

Door openings

Blueprint reading and sketching

Blueprints and their use

Elevation views

Plan views

Detail views

Scales and dimensions

Sketching

Glass processing

Economy in selections and cutting

Cutting

Edgework

Fabrication

THIRD YEAR

Installation

Window and obscure glass Plate glass

Tempered glass door Insulating glass units

Sliding aluminum frame door Store fronts

Window wall Structural metalwork

Showcase glazing Mirrors

Glass replacement

Special Jobs

Special surface processes

Aquariums

Auto glazing

Art glass

*DAT apprenticeship program standards recommend 150 hours of related technical instruction per year.