

DEGREE PROGRAMS

Associate of Applied Science Degree: CONSTRUCTION TECHNOLOGIES

The Associate of Applied Science Degree in Construction Technologies is designed to incorporate general education courses that provide increased skill development, a fundamental knowledge base and a broader understanding in the areas of humanities, social science, math, and natural science as a part of a well-rounded addition to the technical instruction. The program is designed to be completed in as little as 3 years with the additional OTJ training requirements. At least one general education course will be offered each semester.

Classroom instruction, lab exercises, practical hands on learning experience, and on the job training experience are incorporated and included in the learning process. Safety is emphasized throughout each phase.

Our Associate Degree has 5 different concentrations available to our apprentices – Glazier, Coating Application Specialist, Drywall Finisher, Glassworker and Painter. Each concentration represents a finishing trade and they share a core curriculum.

Core Curriculum Required for All Areas of Concentration

Course Number	Course Name	Instructional Hours	Credits
HUMANITIES			
ENG101	Effective Writing	45	3
COM111	Effective Communication	45	3
SOCIAL SCIENCE			
POL115	Politics and the Community	60	3
MATH			
MAT199	General Math	30	2
NATURAL SCIENCE			
ENV115	Environmental Science	45	3
IT101	Intro to Computers	45	3
INTERNSHIP			
CON120	Internship 1	2000	5
CON130	Internship 2	2000	5
CON140	Internship 3	2000	5
TOTAL CORE		6270	32

Area of Concentration: Glazier

A Glazier is responsible for selecting, installing, replacing, and removing all types of glass. Work in the glazing field can involve both residential and commercial projects. Residential projects may include replacing a home's window glass to improve energy efficiency, installing glass mirrors, shower doors and fitting glass for tabletops and display cases. Commercial interior glazing projects include installing items such as heavy, decorative room dividers or security windows. Other glazing projects may involve replacing storefront windows for establishments such as supermarkets, auto dealerships or banks. In the construction of large commercial buildings, glaziers build metal framework extrusions and install glass panels or curtain walls.

Skills needed to become a Glazier include manual dexterity, eye-hand coordination, physical fitness, and a good sense of balance. The ability to solve arithmetic problems quickly and accurately also is required.

Course Number	Course Name	Instructional Hours	Credits
SFT110	Safety in the Trades	60	4
CON100	Intro to the trades	30	2
AMG101	Structural Glazing	30	2
ARC133	Architectural Drawings and Blueprints	60	4
AMG120	Special Topics in Glazing I	45	3
AMG220	Special Topics in Glazing II	45	3
AMG221	Entrances and Hardware	60	4
AMG141	Welding I	45	3
AMG241	Welding II	30	2
TOTAL		405	28