

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: Glassworker

Glassworkers fabricate aluminum doors and windows, insulated glass units, show doors, mirrors and glass tabletops. Custom fabricate glass, mirror, shower and bath enclosures and architectural aluminum. These finished products are shipped to residential and commercial buildings for installation by the glaziers. Typically glassworkers work in a production or fabricating facility environment working with glass and metal working equipment. This program allows an apprentice to develop his/her skills to cut, edge, polish, bevel, and notch glass and mirror.

Skills needed to become a Glassworker 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
SFT111	Safety in the Glassworkers	60	4
CON100	Intro to the trades	30	2
AMG100	Glass Cutting and Fabrication	45	3
ARCH133	Architectural Drawings and Blueprints	50	4
AMG121	Special Topics in Glassworkers I	40	3
AMG222	Special Topics in Glassworkers II	60	4
AMG223	Entrances and Hardware	45	3
AMG 141	Welding	30	2
AMG241	Welding II	45	3
TOTAL		405	28