

Community College of Allegheny County

Program Title: CCAC Workforce Fast Track Midnight Welding

Goals/Objectives: To enable students to quickly graduate and enter the workforce through our compressed program.

Description:

This certificate program provides students with the entry-level skills needed to work as welders in small and large companies. Students in this certificate program are eligible to take the American Welding Society D1.1 and D1.5 Certification Test. This program also offers students the skills that are necessary to read blueprints in the technical work area. Students may find employment as welders, fabricators or grinders.

Graduates will be able to:

- 1) Use safety procedures and theory of Shielded Metal Arc Welding processes
- 2) Use multi-layered welds in different weld joints and weld positions
- 3) Operate oxy-fuel cutting and brazing equipment safely
- 4) Identify and interpret blueprints and the basic ASW weld symbols
- 5) Demonstrate Gas Metal Arc Welding, Gas Tungsten Arc Welding and Flux Core Arc Welding processes
- 6) Use safety and setup procedures for aluminum, stainless steel and carbon steel.

According to the Three Rivers Workforce Investment Board, there is a growing demand for welders.

Evaluation Tools & Procedures:

This program will be evaluated based on the number of students enrolled; students who graduate and the number of students who secure welding related jobs upon graduation.

Results of Activity:

The unique timing and compressed nature of this class allows more students to enroll in welding and graduate sooner. Perkins funded staff provide students with course work and job placement assistance. Fourteen of the 16 who started in January are anticipated to graduate in June.

Resources and Other Related Information:

<http://www.ccac.edu/default.aspx?id=1512012>

Contact Information:

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