

CAREER STUDIES CERTIFICATE (221-995-94)

Welding: Intensive Welding Training

Purpose: The demand for welding professionals continues to rise across the country. Welders work in manufacturing, construction, maintenance and repair occupations in a wide variety of fields. This intensive program is designed to prepare the student for entry-level full-time employment in the welding trade. As distinguished from the college's traditional Welding certificate (995) program, this is an intensive program designed to prepare one for the workplace as quickly as possible. Courses, developed with significant input from area employers, include mathematics, print reading, drafting, industrial dynamics and lab-oriented welding classes. Students also participate in a welding internship with a local company that could be a future employer.

Intensive welding is a cohort-based summer semester program held each year from May until August (actual dates vary each year). Programs held in even numbered years (2010) are operated during morning and early afternoon hours. Programs held in odd numbered years (2011) are operated during late afternoon and evening hours. Classes are normally held Mondays through Fridays and have a strict attendance policy. All classes will be held on the main campus. Call (540) 857-6076 for more information, details on the application process and application deadlines.

Occupational Objectives: Entry level welder with skills in SMAW, GMAW, and GTAW.

Admission Requirements: Applicants must meet the general admission requirements for admission to the college.

To be successful in this program, students must have demonstrated Math competency to be placed in Pre-Algebra. Students not achieving this level will be required to take developmental courses.

CURRICULUM AND OTHER REQUIREMENTS**CREDITS****GENERAL EDUCATION CORE COURSES**

SDV 106 Preparation for Employment 1

INTENSIVE WELDING AND RELATED COURSES

DRF 161 Blueprint Reading I 2

IND 75 Industrial Measurements and
Conversions 1

WEL 116 Welding 1 2

WEL 121* Arc Welding 2

WEL 135* Inert Gas Welding (MIG) 2

WEL 136 Inert Gas Welding (TIG) 2

WEL 150 Welding Drawing and Interpretation 3

WEL 290 Welding Internship 1

Total Minimum Credits for Certificate 16

** This course has a prerequisite. Prerequisites for all courses are listed in the course description section at the back of the catalog.*

SUGGESTED SCHEDULE**SUMMER**

DRF 161

IND 75

SDV 106

WEL 116

WEL 121

WEL 135

WEL 136

WEL 150

WEL 290