



DABNEY S. LANCASTER
COMMUNITY COLLEGE

Fundamentals of Welding

Level 1

Career Studies Certificate
Program Code: 221-995-03
2020-2021 Catalog

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Purpose

The Fundamentals of Welding Career Studies Certificate provides the basic welding skills necessary for employment in a modern fabrication facility.

Admission Requirements

Students who meet the admission requirements to the College are eligible for enrollment into the program. Although there are no testing requirements before enrolling in a “hands on” welding lab course, students whose placement test scores indicate the need to increase their level of proficiency in reading, writing and/or mathematics will be required to take appropriate developmental courses before enrolling in related courses, such as blueprint reading. Enrolling in developmental courses may increase the length of time necessary for completing the chosen courses(s) or program of study, but will enhance the student’s preparation for college-level coursework and increase the chances for successful attainment of academic, occupational and personal goals.

Program Description

This Career Studies Certificate provides a foundation in welding, metallurgy, and blueprint reading. Graduates may enter employment and/or seek additional training to advance.

Employment Outlook

Current demand for qualified welders is very strong. Nearly all industries use welding processes in some way so positions may be found in a wide range of environments. Wages are good and salaries are higher for those who have skills in specialty areas.

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Course Number	Course Name	Cr.	Pre/Co Requisites	Semester	Grade
Fall Semester					
WEL 120*	Introduction to Welding	2	Co-requisite: SAF 130 or SAF 131**	F	
SAF 130 OR SAF 131**	Industrial Safety (OSHA 10) Construction Safety (OSHA 10)	1		F	
WEL 123	SMAW (Basic)	3	Co-requisite: SAF 130 or SAF 131**	F	
WEL 160	Gas Metal Arc Welding	3	Co-requisite: SAF 130 or SAF 131**	F	
WEL 164	Gas Tungsten Arc Welding	3	Co-requisite: SAF 130 or SAF 131**	F	
WEL 150***	Welding Drawing and Interpretation	3	Prerequisite: MTE 1-2 or Co-req: MAC 111	F	
Spring Semester	Spring Semester	Spring Semester	Spring Semester	Spring Semester	Spring Semester
WEL 161	Flux Cored Arc Welding	3	Co-requisite: SAF 130 or SAF 131**	SP	

Credit hours required for certificate: 18

*WEL 120 – Pending course description approval

**SAF 131 – Pending new course approval

***WEL 150 – Pending course description approval

TRANSFER OPTIONS

Agreements exist between Dabney S. Lancaster Community College and various four-year colleges and universities. Contact Student Services for information about further study after graduation from DSLCC.

DISCLAIMERS

Every effort is made to ensure accuracy, but the College reserves the right to make edits with respect to course offerings, programs and requirements contained in this publication. This information is provided for the convenience of the reader and DSLCC disclaims any liability. Please note that not all courses are offered at all locations or during all sessions. Check class sites and times when registering. Most programs of study begin in the fall semester. Please note that while new students are welcome to enroll in any session, those who enter in spring or summer will likely find that completion of requirements may take longer.