

Southern West Virginia 2022-2023 Southern Academic Catalog Community Technical College

Industrial Technology, Certificate - Welding Option

Purpose

The Industrial Technology Certificate Program is designed to provide basic skills in a variety of applied industrial careers which can lead to entry-level positions and provides a smooth transition into an associate or high technology field.

The full Industrial Technology Certificate Program, Welding Option, is available at the Williamson Campus. The Boone/Lincoln, Logan, and Wyoming/McDowell campuses offer the general education/program support courses only.

Program Level Outcomes:

1. Prepare students to become safe and competent welders
2. Provide opportunities to possess communication and critical thinking skills
3. Demonstrate responsible professional conduct and behavior
4. Effectively communicate

First Semester

- [CS 102 - Computer Literacy](#) 3 Credit Hours (E)
- [MT 105 - Practical Math for Industrial Occupations](#) 3 Credit Hours
- [OR 105 - Orientation to Technical Programs](#) 1 Credit Hours (E)
- [WL 100 - Oxyacetylene Welding \(OAW\)](#) 4 Credit Hours
- [WL 102 - Fundamentals of Welding](#) 4 Credit Hours (E)

Credit Hours: 15

Second Semester

- [EN 101 - ~English Composition I](#) 3 Credit Hours
- [WL 103 - Blueprint Reading and Metallurgy](#) 3 Credit Hours (E)
- [WL 104 - Shielded Metal Arc Welding \(SMAW\)](#) 3 Credit Hours (E)
- [WL 210 - Commercial and Industrial Welding Practices](#) 3 Credit Hours
- ¹Welding Elective 3 Credit Hours

Credit Hours: 15

Total Credit Hours: 30

~ Designates courses on the statewide Core Coursework Transfer Agreement.

¹Choose from: [WL 201](#), [WL 202](#), or [WL 203](#).

This degree program provides students the opportunity to receive credit for their high school EDGE courses (<http://careertech.k12.wv.us/edge/edgeCollege.html>) as designated by the (E) within the program sequence.
