

# Welding

## Career Certificate

Available: Phil Campbell and Shoals Campuses  
Advisor: L. Liles (5254/8072) lliles@nwscce.edu  
B. Keeton (6389) bkeeton@nwscce.edu  
K. Davis (5254) kevin.davis@nwscce.edu  
M. Grissom (5265) melinda.grissom@nwscce.edu

This certificate is designed to develop the skills necessary to enter and maintain a job in the welding field. Students should develop the skills necessary to pass a certification test that meets the requirements of the American Welding Society (AWS) D1.1 code. Applicants are not required to have completed any particular subject prior to enrollment. Welders need to have good eye-hand coordination, and they need to be in good physical condition. Welding is used in fabrication shops, construction, maintenance, ship building, aircraft, automotive, electrical, and machine shops. Welding is a tool of all trades. The welding field is rapidly expanding, requiring a continually increasing volume of technical knowledge and skills on the part of the operator.

**Entering students are required to complete ORI 107. Transfer students are exempt from this requirement.**

### NOTES:

\* Transfer Credit: Students may receive up to one semester of Advanced Placement for Career Technical coursework completed at another institution.

\* A high school diploma or GED certificate is not required for admission to this program. Students must be at least 16 years old to enroll.

**Program:** [Welding](#)

## Entrance Requirements

- Submit a completed application;
- High School diploma or equivalent required:
- Age Requirement:
- Submit official high school/high school equivalent transcripts, if applicable;
- Submit official college transcripts, if applicable;
- Satisfy [Placement Testing](#) requirements.

# Required Courses

Item #	Title	Credits
	ENG 101 or ENG 100	3
MTH 116	Mathematical Applications	3
WDT 108	SMAW Fillet/OFC	3
WDT 109	SMAW Fillet/Pac/Cac	3
WDT 110	Industrial Blueprint Reading	3
WDT 115	GTAW Carbon Pipe Theory	3
WDT 119	Gas Metal Arc/Flux Cored Arc Welding Theory	3
WDT 120	Shielded Metal Arc Welding Groove Theory	3
WDT 122	SMAW Fillet/OFC Lab	3
WDT 123	SMAW Fillet/Pac/CAC Lab	3
WDT 124	Gas Metal Arc/Flux Cored Arc Welding Lab	3
WDT 125	Shielded Metal Arc Welding Groove Lab	3
WDT 155	GTAW Carbon Pipe Lab	3
WDT 217	SMAW Carbon Pipe Theory	3
WDT 219	Welding Inspection & Testing	3
WDT 228	Gas Tungsten Arc Welding Theory	3
WDT 257	SMAW Carbon Pipe Lab	3
WDT 268	Gas Tungsten Arc Lab	3
<b>Minimum Credit Hours for Graduation:</b>		<b>54</b>