

Welding

Welding Certificate in Applied Science

Mission Statement:

Using the modular formatted (NCCER) and Contren Learning Series books, students are taught blueprint reading, welding and cutting of carbon and stainless steel plate and pipe, using oxygen/acetylene cutting, plasma cutting, and the SMAW, GTAW and GMAW welding processes. This course is taught to the National Welding Codes, to include the American Welding Society of Mechanical Engineers, Section IX (ASME). This course prepares welding graduates for testing and certification for local metal fabrication shops, maintenance welding, and construction pipe welding.

Entrance Requirements:

Acceptable placement test score(s); high school diploma or GED not required.

Type of Program:

Day, evening, or weekend

Professional Credentials:

Certified Welder (subject to passing exam)

Employment Opportunities:

Self-employed, sheet metal fabrication, construction, plant maintenance, auto body welding, and all other types of welding industry

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- This program prepares welding graduates for testing and certification for local metal fabrication shops, maintenance welding, and construction pipe welding.
- With the exception of WLD 103, WLD 110, and WLD 141, which are only offered online, classes in this program are located at Greenville Tech's Barton and Brashier campuses.

Recommended Program Schedule

First Semester

WLD	102	Introduction to Welding	2.0
WLD	103	Print Reading I*	1.0
WLD	110	Welding Safety & Health*	1.0
WLD	111	Arc Welding I	4.0
WLD	132	Inert Gas Welding Ferrous	4.0

Second Semester

WLD	113	Arc Welding II	4.0
WLD	160	Fabrication Welding	3.0
WLD	235	Robotic Welding I	2.0
WLD	240	Robotic Welding and Manufacturing	4.0

Third Semester

WLD	108	Gas Metal Arc Welding I	4.0
WLD	115	Arc Welding III	4.0
WLD	208	Advanced Pipe Welding	3.0
WLD	141	Weld Quality*	2.0

Total Required Credit Hours:

38.0

Note: Please contact your advisor for recommended evening schedules.

*Online class

Visit <https://www.gvltec.edu/gainful-employment/> for important information about the educational debt, earnings and graduation rates of students who attended programs.