

# Welding Certificates – 24 credit hours



## ABOUT

The Welding Program challenges students to master the theoretical and manipulative skills and competencies set forth by the National Center for Construction Education and Research (NCCER) and the American Welding Society (AWS). Students practice several different types of manual welding and learn the technical and scientific aspects of the following welding processes: SMAW, GMAW, GTAW, and FCAW. Students receive NCCER Level 1 certification in each program. Successful completion of all three programs will give the student NCCER Welding Levels 1 and 2.

## CAMPUS

Jefferson & River City Sites

## CAREER INFORMATION

**Outlook:** 4% increase in jobs by 2024

**LA Star Rating:** 5-stars

**Salary:** \$47,810/year or \$22.99/hour

## FINANCIAL AID ADVISOR

**Marla Garrity**, [mgarri@dcc.edu](mailto:mgarri@dcc.edu)

## PROGRAMS

Shielded Metal Arc Welding, CTS

Gas Tungsten Arc Welding, CTS

Flux Core & Gas Metal Arc Welding, CTS

## PROGRAM CONTACT

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Lead Instructor, Jefferson Site

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## PROGRAM SEQUENCE

### SMAW Semester 1

**WLDG 101** Intro to Welding Fundamentals

2-2-3/60

**WLDG 110** Basic SMAW

1-4-3/75

Continued →

**WLDG 115** SMAW Groove Welds

1-4-3/75

\***TECH 101** NCCER Technical Core 3-3-3/90

### SMAW Semester 2

**ADOT 105** Survey of Comp. Apps. 3-0-3/45

**WLDG 150** SMAW Pipe 2G

1-6-3/105

*Pre-Reqs.: TECH 101 and WLDG 101, 110 & 115*

**WLDG 151** SMAW Pipe 5G

1-6-3/105

*Pre-Reqs.: TECH 101 and WLDG 101, 110 & 115*

**WLDG 152** SMAW Pipe 6G

1-6-3/105

*Pre-Reqs.: TECH 101 and WLDG 101, 110 & 115*

### GTAW Semester 1

**WLDG 101** Intro to Welding Fundamentals

**WLDG 219** GTAW Groove Welds 2-4-3/90

**WLDG 220** GTAW Basic Multi-Joint 1-4-3/75

\***TECH 101** NCCER Technical Core 3-3-3/90

### GTAW Semester 2

**ADOT 105** Survey of Computer Applications

**WLDG 222** GTAW Pipe 5G

1-4-3/60

*Pre-Reqs.: TECH 101 and WLDG 101, 219 & 220*

**WLDG 223** GTAW Pipe 2G

1-4-3/60

*Pre-Reqs.: TECH 101 and WLDG 101, 219 & 220*

**WLDG 224** GTAW Pipe 6G

1-6-3/105

*Pre-Reqs.: TECH 101 and WLDG 101, 219 & 220*

### FCAW & GMAW Semester 1

**WLDG 101** Intro to Welding Fundamentals

**WLDG 201** Basic FCAW and GMAW

1-4-3/75

**WLDG 202** FCAW and GMAW Groove Welds

1-4-3/75

**TECH 101** NCCER Technical Core

### FCAW & GMAW Semester 2

**ADOT 105** Survey of Computer Applications

**WLDG 217** FCAW and GMAW Pipe 2G

1-6-3/105

*Pre-Reqs.: TECH 101 & WLDG 101, 201 & 202*

**WLDG 218** FCAW and GMAW Pipe 5G

1-6-3/105

*Pre-Reqs.: TECH 101 & WLDG 101, 201 & 202*

**WLDG 226** FCAW and GMAW Pipe 6G

1-6-3/105

*Pre-Reqs.: TECH 101 & WLDG 101, 201 & 202*