

# Welding Technology, Certificate

23-24 catalog

**Description:** This certificate program stresses the development of techniques and understanding of quality weldments. Effects of heat and stress on welded materials are studied and practiced in the laboratory. Students may develop sufficient skill for American Welding Society Certification\*. Students interested in receiving an associate degree should see a counselor/advisor.

**Completion Time:** 2 Years

**Part-time course schedule** (You do not have to follow this exact schedule. It is meant to show the courses needed.)

## Year 1

### Fall Semester

- Success Skills for the 21st Century GNST 100 3 Cr.
- Industrial Applied Algebra INDS 122 2 Cr.
- Fundamentals of Welding WELD 101 3 Cr.

### Spring Semester

- Industrial Documentation & Management TDSN 107 4 Cr.
- MIG Welding WELD 105 3 Cr.
- TIG Welding WELD 106 3 Cr.

## Year 2

### Fall Semester

- Basic Machine Operation INDS 129 4 Cr.
- Electrical Circuit Analysis ATMN 110 3 Cr.
- Test Plate Welding WELD 255 3 Cr.

### Spring Semester

- Metallurgy and Heat Treatment INDS 130 2 Cr.
- Welding Fabrication & Design WELD 265 3 Cr.
- Choose 1
  - Welding Automation WELD 275 3 Cr.
  - Pipe Welding WELD 285 3 Cr.

**Total Credits: 36**

**Academic Advising:** You should meet with an academic counselor prior to registering for classes.

**Note:** Prerequisite courses may apply to this program. A minimum of 30 unduplicated credits (100 level or higher) are required for all certificate programs.

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