Welding Technology

Location of Program
Scottsbluff, Nebraska

Career Opportunities
Work in an industry vital to the nation's well-being, in jobs related to energy production, highway transportation, manufacturing, and military applications.

Expenditures in welding-related jobs in the United States totaled $34.1 billion in the year 2000. Labor represented nearly two thirds of these expenditures.

Looking for a career in high demand? The U.S. Bureau of Labor predicts a shortage of 250,000 welding professionals by the year 2010.

Develop skills that only 20 percent of the present workforce hold. Some 60 percent of the new jobs in the early 21st century will require specialized skills like welding.

Industrial manufacturing is at its highest level in 20 years, and new orders are at their highest since 1950, according to the U. S. Dept. of Commerce. This creates a top job market for those skilled in welding, a primary manufacturing process.

Nearly half of U. S. industries report difficulties locating qualified individuals with welding expertise – from apprentice welders to engineers.

Gain the experience you need by participating in the “Welding Intern” program. Several employers in the region are participating in this program. Qualified students can receive credit toward a degree, gain valuable work experience, and maintain a part-time job while in school.

Degrees & Awards Offered
- Certificate
- Diploma
- Associate of Occupational Studies

To Apply
Applying for admission is free and can be completed online. For more information, visit apply.wncc.edu or call 800.348.4435.
About the Program

Welding is the process of joining together two pieces of metal, carried out by the use of heat or pressure or both and with or without added metal, so that bonding takes place at their original boundary surfaces. The boundaries more or less disappear at the weld, and integrating crystals develop across them.

Western Nebraska Community College offers training in the following welding processes:

**Shielded Metal Arc Welding**
Provides training in all positions, on mild steel with single and multipass welds. WNCC has classes in pipe welding teaching both the uphill and downhill methods.

**Gas Metal Arc Welding**
Provides training in all positions on mild steel, with single and multi-pass welds using short circuiting transfer, and spray transfer.

**Flux Cored Arc Welding**
Provides training in all positions, on carbon steels, with and without shielding gas, using small diameter dual shield electrodes.

**Gas Tungsten Arc Welding**
Training is provided on mild steel, stainless steel and aluminum. GTAW on pipe and tubing for welding on mild steel in 2G, 5G, and 6G positions.

**Oxyacetylene Welding, Cutting and Brazing**
The oxyacetylene welding curriculum teaches the student to flame cut plate, weld and braze weld mild steel in all positions.

WNCC offers additional course work in related topics including Blueprint Reading and classes in Shop Fabrication, enabling the student to choose a project for job related skill development.

*Get certified through the American Welding Society at Western Nebraska Community College.*

---

**Contact Information**

Dean Rindels  
CWI/CWE  
*Welding Technology Instructor*  
308.635.6130  
800.348.4435  
rindelsd@wncc.edu