

CAREER START

Welding



Career Start
PIKES PEAK COMMUNITY COLLEGE

This one or two-year program is designed to provide students with the skills in welding and related fields. Students learn blueprint reading, layout and joint design, fabrication, safety, metal preparation, oxyacetylene, shielded metal arc and gas metal arc welding, and CAD/CAM plasma arc cutting.

Career options include:

- Pipe Welder
- Structural Welder
- Boilermaker Welder
- Aircraft and Missile Welder
- Welder Robotic Operator
- Welder Layout/Setup
- Welding Inspector

Desirable skills and aptitudes:

- Basic math
- Metals shop
- Drafting

Students successfully completing college credit opportunities of this Career Start program (1 or 2 years) will earn credit toward certificates and/or an Associates of Applied Science (AAS) degree at PPCC.

Associates of Applied Science Degree

Welding

32 of 72 required credits

Certificate Opportunities

- **Entry Level Welding**
20 of 26 required credits
- **Gas Metal Arc Welding (GMAW)**
8 of 8 required credits
- **Gas Tungsten Arc Welding (GTAW)**
8 of 8 required credits
- **Pipe Welding**
20 of 34 required credits
- **Shielded Metal Arc Welding (SMAW)**
6 of 6 required credits

COLLEGE CREDIT OPPORTUNITIES MAY INCLUDE:

YEAR 1

- WEL 106 Blueprint Reading for Welders & Fitters (4)
- WEL 124 Introduction to Gas Tungsten Arc Welding (4)
- WEL 125 Introduction to Gas Metal Arc Welding (4)
- WEL 250 Layout & Fabrication (4)

YEAR 2

- WEL 113 Oxyfuel & Plasma Cutting (2)
- WEL 121 Structural Welding I (3)
- WEL 122 Structural Welding II (3)
- WEL 224 Advanced Gas Tungsten Arc Welding (4)
- WEL 225 Advanced Gas Metal Arc Welding (4)

For more information on Career Start,
visit ppcc.edu/Career-Start,
or call 719.502.3111.

The courses listed may not be an all-inclusive list of college credit opportunities nor may all courses be offered each year.

Course descriptions, certificates, and degree options can be found in the PPCC Catalog. Students must meet course prerequisites. For more information, visit ppcc.edu.