



Production Welding

Certificate (18 SCH*)

*Semester Credit Hour

7/2023

First Semester - 18 SCH

WLDG 1323 - Welding Safety, Tools, and Equipment

WLDG 1425 - Introduction to Oxy-Fuel Welding and Cutting

WLDG 1430 - Introduction to Gas Metal Arc Welding (GMAW)

WLDG 1317 - Introduction to Layout and Fabrication

WLDG 2447 - Advanced Gas Metal Arc Welding (GMAW)

Marketable Skills

Teamwork; cultural diversity; apply technology to work; creative thinking; construction and industrial safety; oxy-fuel welding and cutting; power sources; gas metal arc welding and cutting; flux-cored arc welding; blueprint reading; measurement; layout and fabrication; fillet welds; V-groove welds; plate welding; and 1G, 2G, 3G positions.

Program Outcomes

- Students earning the Production Welding certificate will demonstrate proficiency by taking the American Welding Society Certification (2F) on plate using the GMAW welding process.

High School Endorsements

Business and Industry

Additional Education Opportunities

Associate of Arts in Applied Science; Bachelor of Arts in Applied Science

Expected Salary

Texas wage data: workers on average earn \$36,210; 10% of workers earn \$27,030 or less; 10% of workers earn \$53,290 or more.

Career Opportunities

Blueprint reading; layout, cutting and fitting parts; tack and production welding; finishing and material handling; welding fabricators; shop supervisors; and estimators and shop owners.