

WELDING



The Welding & Fabrication program teaches students the skills needed to build, fabricate, and troubleshoot metalwork using industry-standard welding and fabrication techniques. Students will learn blueprint and welding symbol interpretation, safety practices, and hands-on techniques. Training also includes the use of grinders, drills, torches, plasma arc cutters, welding machines and other industry equipment.

Curriculum:

- Read and interpret blueprints and schematics
- Interpret welding symbols
- Practice welding and shop safety procedures
- Metal fabrication processes and welding fundamentals
- Fluxcore, stick, MIG and TIG welding
- Oxy-fuel welding and cutting
- Plasma cutting
- Plasma arc cutting, arc welding machine use
- Utilization of grinders, drills and other tools in metal fabrication

Certifications:

- American Welding Society (AWS) Welding Qualification
- American Welding Society (AWS) Certified Welder
- CPR / First Aid
- OSHA 10-Hour Certification

Opportunities:

- Production Welder
- Robotics Technician
- Welder/Fitter
- Fabrication Specialist
- Industrial Welding Technician
- Construction Work
- Welding Artistry Work Specialist

The MCCC Welding program is currently in the final stages of development for the 2027-2028 school year. Course offerings, content, requirements, and descriptions are subject to change as the program is finalized. MCCC reserves the right to make additional changes to this course and/or course description as necessary.



Students have the opportunity to earn industry credentials and college credits.



Visit mcjvs.edu for more information about our **Welding program.**

COMMERCIAL/RESIDENTIAL CONSTRUCTION