

WELDING TECHNOLOGY- CAREER PATHWAY CERTIFICATE OF COMPLETION (CPCC)

description

Pending approval from the Higher Education Coordinating Commission (HECC).

The Welding Technology Career Pathway Certificate provides students with a short-term, concentrated training in Gas Metal Arc Welding, Cutting Processes and Blueprint reading, giving students the opportunity to seek employment as a production welder, welder helper, or as an entry-level fabrication helper.

program learning outcomes

1. Demonstrate industry safety standards in a welding/fabrication environment.
2. Model effective and appropriate communication with welding professionals and clients.
3. Apply and demonstrate entry-level welding skills based on current industry needs.
4. Demonstrate workplace professionalism as it applies to an industrial environment.

Entrance Requirements

Academic Entrance Requirements

Recommended:

- High school diploma or GED
- Completion of MTH 060 Beginning Algebra or minimum placement Math Level 10
- College-level computer skills

Additional Costs (Beyond Standard Tuition/Fees and Textbooks)

Material Costs

Required:

- Personal protective equipment and tools: approximately \$250

Enrollment Fees

- Fees on specific MFG courses: approximately \$600

course requirements

Course	Title	Credits
Core Courses:		
MFG 100	Manufacturing Technology Orientation	1
MFG 104	Blueprint Reading for Welders	4
MFG 105	Introduction to Gas Metal Arc Welding/Flux Core Arc Welding	4
MFG 267	Oxygen-Fuel and Electric Arc Cutting Processes	4
Total Credits		13

advising notes

Manufacturing Technology courses are structured to enable students to meet benchmarks through the completion of labs and hands-on projects. Please connect with a manufacturing/welding advisor before registering for classes.

Upon starting their program, students review their desired certificate or degree outcome with their advisor. Students should continue to meet with their advisors on a continuous basis to ensure they remain on track for degree completion.

This certificate is designed for students to directly enter the manufacturing workforce. Transferability of course credits to the degree programs of other public or private institutions is dependent on those institutions' policies.

program performance standards

Academic Requirements:

- Students must have a 2.0 cumulative GPA to earn a COCC certificate or degree.

sample plan

Course	Title	Credits
MFG 100	Manufacturing Technology Orientation	1
MFG 104	Blueprint Reading for Welders	4
MFG 105	Introduction to Gas Metal Arc Welding/Flux Core Arc Welding	4
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Total Credits		13