

CAREER PATHWAYS BRIDGE

MIG WELDING

W/HSED 5.09 Option*



MIG WELDING CERTIFICATE

PROGRAM COURSES:

CAREER PATHWAYS BRIDGE SUPPORT COURSES:

SEMESTER 1:

10-890-101 College 101 (1 cr) and
31-442-301 Material Cutting Applications (1 cr) and
31-442-348 Gas Metal Arc Welding 1 (1 cr) and

BE/ELL College 101
BE/ELL Material Cutting Applications
BE/ELL Gas Metal Arc Welding 1

SEMESTER 2:

31-442-356 Gas Metal Arc Welding 2 (2 cr) and
31-442-358 Gas Metal Arc Welding 3 (2 cr) and

BE/ELL Gas Metal Arc Welding 2
BE/ELL Gas Metal Arc Welding 3

SEMESTER 3:

31-421-335 Blueprint Reading for Welders 1 (1 cr) and
31-421-336 Weld Symbols (1 cr) and

BE/ELL Blueprint Reading for Welders 1
BE/ELL Weld Symbols

Completion of MIG Welding Certificate — Total Credits = 9

*HSED 5.09 Option – Completion of all Welding coursework with a “C” or better and completion of the HSED 5.09 Option Supplemental course will earn Career Pathways Bridge students an HSED credential

WELDING TECHNICAL DIPLOMA

Upon completion of the Residential Wiring Certificate, students will have the opportunity to enroll in the **Welding Technical Diploma** program. The Technical Diploma program is 22 additional credits.

PROGRAM COURSES:

10-804-301 Vocational Math A (1 cr)
31-442-342 Shielded Metal Arc Welding 1 (1 cr)
31-442-343 Shielded Metal Arc Welding 2 (2 cr)
31-442-357 Shielded Metal Arc Welding 3 (1 cr)
31-457-337 Metal Fabrication 1 (1 cr)
31-457-338 Metal Fabrication 2 (1 cr)
10-804-302 Vocational Math B (1 cr)
31-421-337 Blueprint Reading for Welders 2 (2 cr)
31-442-359 Gas Tungsten Arc Welding 1 (1 cr)
31-442-362 Gas Tungsten Arc Welding 2 (2 cr)
31-442-363 Gas Tungsten Arc Welding 3 (2 cr)
31-442-329 Flux Cored Arc Welding 1 (1 cr)
31-442-330 Flux Cored Arc Welding 2 (2 cr)
31-442-364 Flux Cored Arc Welding 3 (1 cr)
31-457-339 Metal Fabrication III (2 cr)
31-422-311 Metallurgy (1 cr)

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Program Description

As a Welding graduate, you can build and repair metal components using major welding processes used by industry. You have knowledge of blueprints, metallurgy and layout, and can weld to AWS and ASME codes. Typical careers include maintenance welders, qualified welders, structural welders, welder/fabricators and pipe welders. Other career opportunities include construction trades welder, ironworker trades welder, millwright, sheet metal trades welder, and pipe trades welder.

Average Earnings:

\$18-\$25 per hour

Entrance Requirements:

TABE Reading Scale Score – 501

ELL Level 4 through 6
(if applicable)



For more information,
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