

# Welding and Joining Technology WAJ2

## Type

Diploma

The Welding and Joining Technology diploma is designed to prepare students for careers in the welding industry. Program learning opportunities develop academic, technical, professional knowledge and skills required for job acquisition, retention, and advancement. The program emphasizes welding theory and practical application necessary for successful employment. Program graduates receive a Welding and Joining Technology diploma, have the qualifications of a welding and joining technician, and are prepared to take qualification tests.

## Basic Skills

Item #	Title	Credits
MATH 1012	Foundations of Mathematics	3
ENGL 1010	Fundamentals of English I	3
EMPL 1000	Interpersonal Relations & Professional Development	2

## Occupational Courses

Item #	Title	Credits
WELD 1000	Introduction to Welding Technology	4
WELD 1010	Oxyfuel and Plasma Cutting	4
WELD 1030	Blueprint Reading for Welding Technology	4
WELD 1040	Flat Shielded Metal Arc Welding	4
WELD 1050	Horizontal Shielded Metal Arc Welding	4
WELD 1060	Vertical Shielded Metal Arc Welding	4
WELD 1070	Overhead Shield Metal Arc Welding	4
WELD 1090	Gas Metal Arc Welding	4
WELD 1110	Gas Tungsten Arc Welding	4
WELD 1120	Preparation for Industrial Qualification	4
	Program Electives (6 hrs)	6
	<b>Minimum Credit Hours for Graduation</b>	<b>54</b>