

WAJ2: Welding and Joining Technology Diploma (replaces WJ02: Welding and Joining Technology in the Quarter System)

The Welding and Joining Technology diploma program 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.

Career Opportunities

Graduates may find employment as oxyfuel cutters, oxyacetylene welders, shielded metal arc welders, GTAW/TIG welders, GMAW/MIG welders, automatic cutting machine operators or in related occupations.

Credit Required for Graduation: Minimum of 50 credit hours

Curriculum

Program Course	Credits
<i>Basic Skills Courses</i>	
_____ EMPL 1000 Interpersonal Relations and Professional Development	2
_____ ENGL 1010 Fundamentals of English I	3
_____ MATH 1012 Foundations of Mathematics	3
<i>Occupational Courses</i>	
_____ COMP 1000 Introduction to Computers	3
_____ WELD 1000 Introduction to Welding Technology	3
_____ WELD 1010 Oxyfuel Cutting	3
_____ WELD 1030 Blueprint Reading for Welding Technology	3
_____ 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 Shielded Metal Arc Welding	4
_____ WELD 1090 Gas Metal Arc Welding	4
_____ WELD 1110 Gas Tungsten Arc Welding	4
_____ WELD 1120 Preparation for Industrial Qualifications	3
<i>Occupational Electives (3 credits from the list below)</i>	
_____ WELD 1150 Advanced Gas Tungsten Arc Welding	3
_____ WELD 1151 Fabrication Processes	3
_____ WELD 1152 Pipe Welding	3
_____ WELD 1153 Flux Cored Arc Welding	3
_____ WELD 1154 Plasma Cutting	3