

Program Name:

Secondary Scope & Sequence

WELDING TECHNOLOGY

2025-2026 SCOPE & SEQUENCE

● Technical - Major units and levels with estimated hours

Subject – Hours	Level I	Estimate of Hours	Level II	Estimate of Hours	Level III	Estimate of Hours
Technical	Occupational Orientation and Safety	20	Occupational Orientation and Safety	20	Occupational Orientation and Safety	20
	Principles of Welding	20	Principles of Welding	20	Principles of Welding	20
	Welding, Drawing, and Weld Symbol Interpretation	10	Welding, Drawing, and Weld Symbol Interpretation	10	Welding, Drawing, and Weld Symbol Interpretation	10
	Visual Examination, Inspection, and Testing	10	Visual Examination, Inspection, and Testing	10	Visual Examination, Inspection, and Testing	10
	Shielded Metal Arc Welding	247	Gas Metal Arc Welding	215	Gas Metal Arc Welding Flux Cored Arc Welding	10 10
	Manual Oxy-fuel Gas Cutting Mechanized Oxy-fuel Gas Cutting	60 20 20	Flux Cored Arc Welding	132	Shielded Metal Arc Welding Manual Oxy-fuel Gas Cutting	10 10
	Manual Air Carbon Arc Cutting	20			Gas Tungsten Arc Welding	267
	Total	407	Total	407	Manual Plasma Arc Cutting	20
					Total	407