

Program Name:

WELDING TECHNOLOGY

2019-2020 SCOPE & SEQUENCE

Secondary Scope & Sequence

- ⦿ Technical - Major units and levels with estimated hours
- ⦿ Academic - Recommended

Subject – Hours	Level I	Estimate of Hours	Level II	Estimate of Hours	Level III	Estimate of Hours	Level IV	Estimate of Hours
Technical	OCCUPATIONAL ORIENTATION AND SAFETY	72	WELDING, DRAWING, AND WELD SYMBOL INTERPRETATION	90	GAS TUNGSTEN ARC WELDING (GTAW)	90	FLUX CORED ARC WELDING (FCAW)	90
	PRINCIPLES OF WELDING	72	VISUAL EXAMINATION, INSPECTION, AND TESTING	90	MANUAL PLASMA ARC CUTTING (PAC)	90	SHIELDED METAL ARC WELDING (SMAW)--STAINLESS STEEL	90
	MANUAL OXYFUEL GAS CUTTING (OFC)	72	GAS METAL ARC WELDING (GMAW) - Flat and Horizontal	90	GAS METAL ARC WELDING (GMAW) -Vertical/Overhead	90	MANUAL AIR CARBON ARC CUTTING (CAC-A)	90
	MECHANIZED OXYFUEL GAS CUTTING (OFC)	72	SHIELDED METAL ARC WELDING (SMAW)-CARBON STEEL-FLAT / HORIZONTAL	90	SHIELDED METAL ARC WELDING (SMAW)-CARBON STEEL-VERTICAL / OVERHEAD	90	AWS NATIONAL CERTIFICATION PREPARATION AND TESTING	90
	BRAZING AND SOLDERING	72						
English (4)	College Prep English I		College Prep English II		College Prep English III		College Prep English IV	
Math (3)	Algebra I		Algebra II		Geometry		Higher Level College Prep Math (recommended)	
Science (3)	Biology		Chemistry		Physics			
Humanities (covering these courses in any order) (3)	Civics		U.S. History		World History			
Other	Foreign Language I (recommended)		Foreign Language II (recommended)					