

Career-Technical Education Technical Certificate Degree Plan

WELDING PROGRAM CHECK SHEET | WELD Major | CIP Code: 48.0508

Welding is a program of study designed to develop skills in various methods of welding. During the first semester, the student is taught the use of the arc welder, oxyacetylene torch, and plasma arc cutter. Classroom instruction is also received in blueprint reading, welding metallurgy, welding theory, and types of welding machines. During the second semester, students are taught the use of mig welder and tungsten inert gas techniques on both ferrous and non-ferrous materials. In addition, students are taught flux core arc welding (in all positions) as well as welding inspection and testing principles.

Rev. 2023

REQUIRED COURSES:	Prev. Taken	FALL 20__	SPRING 20__
FIRST SEMESTER FRESHMAN			
WLT 1115 Shield Metal Arc Welding I	5 hrs.		
WLT 1173 Introduction to Welding and Safety	3 hrs.		
WLT 1225 Shield Metal Arc Welding II	5 hrs.		
WLT 1313 Cutting Processes	3 hrs.		
SECOND SEMESTER FRESHMAN			
WLT 1124 Gas Metal Arc Welding	4 hrs.		
WLT 1135 Gas Tungsten Arc Welding	5 hrs.		
WLT 1143 Flux Cored Arc Welding	3 hrs.		
WLT 1232 Blueprint Reading, Welding and Metallurgy	2 hrs.		
RECOMMENDED ELECTIVES:			
WLT 1913 Special Problems OR WLT 1923 Supervised Work Experience	3 hrs.		
TOTAL HOURS:	30 HRS.		
NOT ALL COURSES ARE REQUIRED IF TRANSFERRING TO AN INSTITUTION OF HIGHER LEARNING.	Total Hours 30		
	Advisor Initials		
	Date		