

## WELDING CAREER CERTIFICATE

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.

<b>REQUIRED COURSES:</b>		<b>PREV TAKEN</b>	<b>FALL</b>	<b>SPRING</b>
<b>FIRST SEMESTER</b>				
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.			
<b>SECOND SEMESTER</b>				
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.			
<b>SUGGESTED ELECTIVES</b>				
WLT 1913 Special Problem <b>OR</b>	3 hrs.			
WLT 1923 Supervised Work Experience				
<b>Total Hours: 30</b>				
<b>Advisor's Initials:</b>				
<b>Date:</b>				