



# **WELDING**

## Advanced Level Certificate Program

<b>Required Program:</b>	<b>Units</b>
<u>First Semester</u>	
____ BA 58      Business English	3
____ BA 59      Business & Practical Math	3
____ WELD 1    Beginning Welding	3
____ WELD 3*   Metal Fabrication	3
<b>Total Units Required</b>	<b>12</b>
 <u>Second Semester</u>	
____ WELD 2    Advanced Welding	3
____ WELD 4**   Gas Metal Arc Welding	3
____ WELD 5    Gastungsten Arc Welding	3
____ GE Course	3
<b>Total Units Required</b>	<b>12</b>
 <u>Third Semester</u>	
____ BA 4        Business Communications	3
____ WELD 6**   Welding Qualification	3
____ WELD 10    Advanced Welding Applications	2
____ WELD 57    Power Plant & Field Pipe Welding	3
____ <i>Choose one of the following classes:</i>	2-3
____ CSCI 1        Introduction to Computer Science (3)	
____ CSCI 20       Introduction to Microcomputers (2)	
<b>Total Units Required</b>	<b>13-14</b>
 <b>Total Advanced Level Welding Certificate Units</b>	 <b>37-38</b>

\* WELD 3 is repeatable for two (2) semesters.

\*\* WELD 4 and 6 are repeatable for one (1) semester.

Students will have the opportunity to receive certification in basic positional welds, tungsten welds and wire welding processes upon completion of the first two semesters. Students will have the opportunity to receive certification in advanced positional welds (flat, horizontal, vertical and overhead) upon completion of the third semester. Completion of the Advanced Level (Two-Year Program) satisfies the requirements for the Associate Degree Welding Major.

For an Associate Degree, students must also complete general education requirements. Please refer to the Associate Degree general education requirements in the Schedule of Classes for a list

of approved courses. Make an appointment with a COS counselor or advisor for assistance in completing the general education requirements.

*Note: Students must receive a “C” grade or better in all major or certificate coursework.*

**Completion of math, writing and reading assessments are required for enrollment in any certificate or AA/AS degree program. Please contact Counseling Services for more information: (530) 938-5353.**