WELDING TECHNOLOGY

Program Description

The increased demand for certified welders has generated a need to offer in-depth training and lab experiences necessary for the development of combination and advanced welding skills required for certification in multiple areas. The Welding Technology program is designed to meet those objectives. Students will be trained in Shielded Metal Arc Welding (SMAW), Gas Tungsten Arc Welding (GTAW), Gas Metal Arc Welding (GMAW), and Pipe Welding.

Curriculum

The Welding Technology program is designed to provide hands-on training in the lab. Students who successfully accomplish welding skills in accordance with established proficiency standards will be eligible to earn various American Welding Society certifications. Classes are scheduled to accommodate area high school students who would like to attend the program for concurrent credit which awards both high school and college credit. The one-year technical certificate program may be continued to an Associate of Applied Science Degree in General Technology.

The program length for a full-time student is two (2) semesters and one (1) summer term. The program costs are approximately $2,778.00 for tuition and fees and approximately $600.00 for books and supplies. *Tests for welding certifications are in addition to the tuition and fees and are based on the type of test being taken.*

Individuals who desire only a Certificate of Proficiency in welding may complete the 11 credit hours indicated with an asterisk (*) in the suggested schedule below.

GRADUATION REQUIREMENTS
(Suggested Schedule)

		Fall Semester	**Credit Hours**
WELD	1103	Blueprint Reading	3
WELD	1115	*Basic Welding	*5
WELD	1215	*SMAW (Shielded Metal Arc Welding)	*5
WELD	1401	*Welding Lab I	*1
MAT	1203	Technical Mathematics or higher level math course	3
		***Exit: Welding Certificate Proficiency OR Continue to Welding Technical Certificate.**	**11**
		(NOTE: If student plans to continue they should also complete WELD 1103 and MAT 1203 as outlined above.	**17**
		Spring Semester	
WELD	1315	GTAW (Gas Tungsten Arc Welding)	5
WELD	1415	GMAW (Gas Metal Arc Welding)	5
WELD	1501	Welding Lab II	1
COMM	1203	Technical Communications or higher level composition course	3
CFA	1103	Computer Fundamentals OR CIS 2223 Microcomputer Applications	3
		Summer Term I	
WELD	1513	Pipe Welding	3
		Exit: Welding Technology Technical Certificate	**37**