

Course	WELD114	Students receive instruction on the FCAW process learning theory, safety and equipment set up
Credits	4	
Course	WELD115	Students use the hands-on application skill of FCAW in all positions, on mild steel
Credits	5	
Course	WELD116	This course is designed to teach students how to safely use plasma arc and carbon arc cutting techniques
Credits	5	
Course	WELD117	Students learn to read and interpret welding symbols and abbreviations using fabrication plans and drawings common to the welding industry per American welding society.
Credits	5	
Course	WELD201	This course is an introduction to the gas tungsten arc GTAW welding process. Topics include correct selection of tungsten, polarity, gas, and proper filler rod with emphasis placed on safety, equipment setup, and welding techniques
Credits	5	
Course	WELD202	Students receive instruction on the GTAW process performing fillet and groove welds with various electrodes and filler materials on steel and stainless steel.
Credits	5	
Course	WELD203	Students learn to perform GTAW fillet and groove welds on aluminum
Credits	5	
Course	WELD204	This course gives the student certification testing time in SMAW
Credits	5	
Course	WELD205	This course covers the knowledge and skills that apply to welding pipe. Topics include pipe positions, joint geometry, and preparation with emphasis placed on bead application, profile, and weld discontinuities. Students perform SMAW welds to applicable codes on carbon steel pipe with prescribed electrodes in various positions
Credits	5	
Course	WELD206	This course is designed to enhance skills with the GTAW welding process. Topics include setup, joint preparation, and electrode selection with an emphasis on manipulative skills in all welding positions on pipe
Credits	5	
Course	WELD207	This course gives the student certification testing time in flux cored arc welding (FCAW).
Credits	5	
Course	WELD208	This course is an introduction to non-destructive testing methods used to detect discontinuities to help assure standards of quality in welding. Emphasis is placed on safety, types and methods of testing, and the use of testing equipment and materials
Credits	2	
Course	WELD210	This course offers the student the opportunity to use the knowledge and skills learned in class and apply then to actual projects or in the work based learning program with no lecture
Credits	5	