

Welding Technology – AAS/General Occupational & Technical Studies (60-70 credits)

Name _____ Empl ID# _____

Madisonville
Advising Plan

2009
-2010

Students may take any WLD course with RDG 020 and MT 055/MT 050 courses concurrently.

AAS/GOTS General Education Requirements

Course	Hrs	Grade	Semester
Writing/Accessing Information (ENG 101)	3		
Mathematics (MT 110, MT 115, MT 145 <u>or</u> MT 150)	3		
Behavioral Science/Social Interaction	3		
Natural/Applied Science	3-4		
Humanities/Fine Arts	3		
Computer Literacy course <u>or</u> skill demonstration by competency exam	0-3		
Additional General Education Coursework	3		

Subtotal Credits: 18-22 hours

Program Coordinator: Reid Davis
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Technical Core Requirements

Course	Hrs	Grade	Semester
WLD 100 Oxy-Fuel Systems and	2		
WLD 101 Oxy-Fuel Lab <u>or</u>	2		
(WLD 110 Cutting Processes) and	(2)		
(WLD 111 Cutting Processes Lab)	(3)		
WLD 120 Shielded Metal Arc Welding (SMAW)	2		
WLD 121 Shielded Metal Arc Welding (SMAW) Lab	3		
WLD 123 SMAW Groove Welds w/ Backing Lab <u>or</u>	3		
(WLD 225 SMAW Open Groove Lab)	(3)		
WLD 130 Gas Tungsten Arc Welding (GTAW)	2		
WLD 131 Gas Tungsten Arc Welding (GTAW) Fillet Lab	3		
WLD 133 Gas Tungsten Arc Welding (GTAW) Groove Lab	3		
WLD 140 Gas Metal Arc Welding (GMAW)	2		
WLD 141 Gas Metal Arc Welding (GMAW) Fillet Lab	3		
WLD 143 Gas Metal Arc Welding (GMAW) Groove Lab	3		
WLD 170 Blueprint Reading for Welding	2		
WLD 171 Blueprint Reading for Welding Lab	3		
WLD 220 Welding Certification	2		
WLD 221 Welding Certification Lab	3		
WLD 299 Cooperative Education <u>or</u>	1-6		
(WLD 298 Welding Practicum)	(1-6)		
Technical Electives (Refer to approved list of electives)	3		

Subtotal Credits: 42-48 hours

Welding Technology - Associate in Applied Science/GOTS (60-70 credits)

SAMPLE SCHEDULING PLAN	
<p><u>First Fall semester</u> WLD 100 & WLD 101 or WLD 110 & WLD 111 WLD 120 & WLD 121 WLD 170 & WLD 171 Computer Literacy course or competency by exam</p> <p><i>Total: 14-18 credits</i></p>	<p><u>Second Fall semester</u> WLD 133 WLD 220 & WLD 221 WLD 299 or WLD 298 (1-6 credits) Technical Electives (3 credits)</p> <p><i>Total: 12-17 credits</i></p>
<p><u>First Spring semester</u> WLD 123 WLD 130 & WLD 131 WLD 140 & WLD 141 WLD 143</p> <p><i>Total: 16 credits</i></p>	<p><u>Second Spring semester</u> Natural/Applied Science course Humanities/Fine Arts course Behavioral Science/Social Interaction course Mathematics course Additional General Education Coursework (3 credits)</p> <p><i>Total: 15-16 credits</i></p>
<p><u>Summer semester</u> ENG 101</p> <p><i>Total: 3 credits</i></p>	
<p><u>Program Coordinator's Notes:</u></p> <p><i>Welding Diploma may be completed in 18 months, AAS/GOTS may be completed in 24 months.</i></p> <p><i>Welding Technology Certificates: ARC Cutter, ARC Welder, AWS National Skills Standards Level I, Gas Welder, Gas Metal Arc Welding, Gas Tungsten Arc Welding, Pipeline Welder, Production Line Welder, Shielded Metal Arc Welding, Tack Welder, and Welder Helper.</i></p> <p style="text-align: center;">List of approved Technical Electives:</p> <ul style="list-style-type: none"> WPP 200 Workplace Principles (3 credits) WLD 151 Basic Welding A (2 credits) WLD 161 Submerged Arc Welding Lab (1 credit) WLD 181 Advanced Welding Systems Lab (1 credit) WLD 191 Plasma Arc Welding Systems Lab (1 credit) WLD 147 Flux Cored Arc Welding Lab (1 credit) WLD 145 Gas Metal Arc Welding Aluminum Lab (1 credit) WLD 251 Welding Automation Lab (1 credit) WLD 253 Pipe Fitting and Template Development Lab (1 credit) WLD 229 Shielded Metal Arc Welding Pipe Lab B (3 credit) WLD 239 Orbital Tube Welding (1 credit) WLD 240 Materials Technology (2 credits) BEX 100 Basic Electricity for Non-Majors (3 credits) BEX 101 Basic Electricity Lab for Non-Majors (2 credits) FEX 100 Fundamentals of Electricity for Non-Majors (3 credits) 	