

Combination Welder Diploma

Name _____ Empl. ID#: _____ Date Entered _____ Date Grad. _____

GENERAL EDUCATION COURSES		Credit	Res	Tr	Notes
ENG 101	Writing I OR	3			
TEC 200	Technical Communications	(3)			
MAT 110	Applied Mathematics OR	3			
MAT 115	Technical Mathematics OR	(3)			
MAT 146	Contemporary College Mathematics OR	(3)			
MAT 150	College Algebra	(3)			
GENERAL EDUCATION SUBTOTAL:		6			

Digital literacy must be demonstrated by competency exam or by successfully completing a digital literacy course.

REQUIRED TECHNICAL COURSES		Credit	Res	Tr	
WLD 110	Cutting Processes AND	2			ECTC intro course
WLD 111	Cutting Processes Lab OR	3			
WLD 100	Oxy-Fuel Systems AND	(2)			
WLD 101	Oxy-Fuel Systems Lab	(2)			
WLD 120	Shielded Metal Arc Welding (SMAW) AND	2			Intro course
WLD 121	Shielded Metal Arc Welding (SMAW) Fillet Lab	3			
WLD 225	Shielded Metal Arc Welding (SMAW) Open Groove Lab OR	3			ECTC intro course Prereq: WLD 120 and 121 or instructor consent
WLD 123	Shielded Metal Arc Welding (SMAW) Groove with Backing Lab	(3)			
WLD 130	Gas Tungsten Arc Welding (GTAW) AND	2			Intro course
WLD 131	Gas Tungsten Arc Welding (GTAW) Fillet Lab	3			
WLD 133	Gas Tungsten Arc Welding (GTAW) Groove Lab	3			Intro course Prereq: WLD 130 or instructor consent
WLD 140	Gas Metal Arc Welding (GMAW) AND	2			Intro course
WLD 141	Gas Metal Arc Welding (GMAW) Fillet Lab	3			
WLD 143	Gas Metal Arc Welding (GMAW) Groove Lab	3			Intro course Prereq: WLD 140 or instructor consent
WLD 170	Blueprint Reading for Welding AND	2			
WLD 171	Blueprint Reading for Welding Lab	3			
WLD 220	Welding Certification AND	2			
WLD 221	Welding Certification Lab	3			
WLD 298	Welding Practicum OR	1-6			Prereq: instructor consent
WLD 299	Cooperative Work Experience	(1-6)			
Technical Electives (See below)		3			
REQUIRED TECHNICAL COURSES SUBTOTAL:		42-49			

RECOMMENDED TECHNICAL ELECTIVES		Credit	Res	Tr	
WLD 229	Shielded Metal Arc Welding Pipe Lab B	3			
WLD 235	Gas Tungsten Arc Welding Pipe Lab A	3			
TOTAL DIPLOMA CREDITS:		48-55			

Recommended Technical Electives:

BEX 100 Basic Electricity for Non-Majors
BEX 101 Basic Electricity Lab for Non-Majors
BEX 100 Basic Electricity for Non-Majors
BEX 101 Basic Electricity Lab for Non-Majors
EET 119 Basic Electricity
ELT 110 Circuits I
ELT 114 Circuits II
FEX 100 Fundamentals of Electricity for Non-Majors
WLD 151 Basic Welding A
WLD 161 Submerged Arc Welding Lab
WLD 181 Advanced Welding Systems Lab
WLD 191 Plasma Arc Welding Systems Lab
WLD 147 Flux Cored Arc Welding
WLD 145 Gas Metal Arc Welding Aluminum Lab
WLD 251 Welding Automation Lab
WLD 253 Pipe Fitting and Template Development Lab
WLD 227 SMAW Pipe Lab A
WLD 229 SMAW Pipe Lab B
WLD 235 GTAW Pipe Lab A
WLD 237 GTAW Pipe Lab B
WLD 239 Orbital Tub Welding
WLD 240 Materials Technology
WLD 245 GMAW Pipe Lab A
WLD 247 GMAW Pipe Lab B
WPP 200 Workplace Principles

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