

WELDING TECHNOLOGY
Combination Welder
Diploma

Academic Plan Code

4805084029

Contact Information: Virgil Holland				
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Student Name		Student ID#		
	Course	Hours	Grade	Semester
GENERAL EDUCATION				
ENG 101 OR		3		
TEC 200 Technical Communications		(3)		
MAT 110 Applied Mathematics OR		3		
MAT 116 Technical Algebra and Trigonometry OR		(3)		
MAT 146 Contemporary College Mathematics OR		(3)		
MAT 150 College Algebra		(3)		
TECHNICAL CORE				
Digital Literacy		0-3		
WLD 100 Oxy-Fuel Systems OR		2		
WLD 110 Cutting Processes		(2)		
WLD 101 Oxy-Fuel Systems Lab OR		2		
WLD 111 Cutting Processes Lab		(3)		
WLD 120 Shielded Metal Arc Welding (SMAW)		2		
WLD 121 Shielded Metal Arc Welding (SMAW) Fillet Lab		3		
WLD 123 Shielded Metal Arc Welding (SMAW) Groove with Backing Lab OR		3		
WLD 225 Shielded Metal Arc Welding (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 298 Welding Practicum OR		1-4		
WLD 299 Cooperative Work Experience		(1-4)		
Technical Elective		2-3		
Total Credits		47-55		
Note: Digital Literacy must be demonstrated either by competency exam or by successfully completing a digital literacy course.				

Revised Date: 4/26/2016

KENTUCKY COMMUNITY & TECHNICAL COLLEGE SYSTEM

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WELDING TECHNOLOGY**Combination Welder****Diploma****Academic Plan Code****4805084029****First Semester**

Course No.	Course Title	Credit Hours
WLD 100	Oxy-Fuel Systems OR	2
WLD 110	Cutting Processes	(2)
WLD 101	Oxy-Fuel Systems Lab OR	2
WLD 111	Cutting Processes Lab	(3)
WLD 120	Shielded Metal Arc Welding (SMAW)	2
WLD 121	Shielded Metal Arc Welding (SMAW) Fillet Lab	3
WLD 123	Shielded Metal Arc Welding (SMAW) Groove Welds With Backing Lab OR	3
WLD 225	Shielded Metal Arc Welding (SMAW) Open Groove Lab	(3)
MAT 110	Applied Mathematics OR	3
MAT 116	Technical Mathematics OR	(3)
MAT 146	Contemporary College Mathematics OR	(3)
MAT 150	College Algebra	(3)
	Subtotal	15-16

Second Semester

Course No.	Course Title	Credit Hours
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 130	Gas Tungsten Arc Welding (GTAW)	2
WLD 131	Gas Tungsten Arc Welding (GTAW) Fillet Lab	3
WLD133	Gas Tungsten Arc Welding (GTAW) Groove Lab	3
	Digital Literacy	0-3
	Subtotal	16-19

Third Semester

Course No.	Course Title	Credit Hours
WLD 220	Welding Certification	2
WLD 221	Welding Certification Lab	3
ENG 101	Writing 1 OR	3
TEC 200	Technical Communications	(3)
WLD 170	Blueprint Reading for Welding	2
WLD 171	Blueprint Reading for Welding Lab	3
WLD 298	Welding Practicum* OR	1-4
WLD 299	Cooperative Work Experience*	(1-4)
	Technical Elective (Recommend WLD 225 if not taken in first semester in place of WLD 123)	2-3
	Subtotal	16-20
	Grand Total	47-55

Program Coordinator Notes: The following additional courses are recommended by the program advisory committee to increase the employability skills of students: WLD 227, WLD 229, WLD 237, WLD 245, and WLD 247. It is the ultimate responsibility of the student to stay current with the curriculum requirements.