

WELDING TECHNOLOGY - AAS

Offered at: Big Sandy Community and Technical College, Bluegrass Community and Technical College, Elizabethtown Community and Technical College, Gateway Community and Technical College, Hopkinsville Community College, Jefferson Community and Technical College, Madisonville Community College, Owensboro Community and Technical College, Southcentral Kentucky Community and Technical College

Program Plan Number: 4805087019

Course	Title	Credits
General Education		
ENG 101	Writing I	3
Select one of the following four options:		3
MAT 110	Applied Mathematics	
MAT 116	Technical Mathematics	
MAT 146	Contemporary College Mathematics	
MAT 150	College Algebra	
Heritage/Humanities		3
Select one of the following two options:		3-4
Natural Sciences		
PHY 151	Introductory Physics I	
& PHY 161	and Introductory Physics I Laboratory	
PSY 110	General Psychology	3
or SOC 101	Introduction to Sociology	
COM 252	Introduction to Interpersonal Communication	3
or COM 181	Basic Public Speaking	
Subtotal		18-19
Required		
Digital Literacy Course or demonstrated competency ¹		0-3
WLD 100	Oxy-Fuel Systems	2
or WLD 110	Cutting Processes	
WLD 101	Oxy-Fuel Systems Lab	2-3
or WLD 111	Cutting Processes Lab	
WLD 120	Shielded Metal Arc Welding (SMAW)	2
WLD 121	Shielded Metal Arc Welding Fillet Lab (SMAW)	3
WLD 123	Shielded Metal Arc Welding Groove with Backing Lab (SMAW)	3
or WLD 225	Shielded Metal Arc Welding Open Groove Lab	
WLD 130	Gas Tungsten Arc Welding (GTAW)	2
WLD 131	Gas Tungsten Arc Welding Fillet Lab (GTAW)	3
WLD 133	Gas Tungsten Arc Welding Groove Lab (GTAW)	3
WLD 140	Gas Metal Arc Welding (GMAW)	2
WLD 141	Gas Metal Arc Welding Fillet Lab (GMAW)	3
WLD 143	Gas Metal Arc Welding Groove Lab (GMAW)	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	1-4
or WLD 299	Cooperative Education Program	

Technical Electives	3
Subtotal	42-49
Total Credits	60-68

¹ Digital Literacy course - 3 credit hours or Demonstrated Competency - 0 credit hours