

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 & PHY 161	Introductory Physics I and Introductory Physics I Laboratory	
PSY 110 or SOC 101	General Psychology Introduction to Sociology	3
COM 252 or COM 181	Introduction to Interpersonal Communication Basic Public Speaking	3
Subtotal		18-19
Required		
Digital Literacy Course or demonstrated competency ¹		0-3
WLD 100 or WLD 110	Oxy-Fuel Systems Cutting Processes	2
WLD 101 or WLD 111	Oxy-Fuel Systems Lab Cutting Processes Lab	2-3
WLD 120	Shielded Metal Arc Welding (SMAW)	2
WLD 121	Shielded Metal Arc Welding Fillet Lab (SMAW)	3
WLD 123 or WLD 225	Shielded Metal Arc Welding Groove with Backing Lab (SMAW) Shielded Metal Arc Welding Open Groove Lab	3
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 or WLD 299	Welding Practicum Cooperative Education Program	1-4
Technical Electives		3

Subtotal	42-49
Total Credits	60-68

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