

Associate in Applied Science Welding Technology

Name _____	Empl. ID# _____	Date Entered _____	Date Grad. _____
DEVELOPMENTAL COURSES AS NEEDED		Notes	
RDG 30 <i>OR</i> RDG 100			
ENC 91			
MAT 55			
MAT 65			
MAT 85 (if pursuing MAT 150)			

REQUIRED CORE COURSES	Credit	Res	Tr	Notes
General Education Courses				
COM 181 Basic Public Speaking <i>OR</i> COM 252 Introduction to Interpersonal Communication	3 (3)			
Heritage/Humanities	3			
MAT 110 Applied Mathematics <i>OR</i> MAT 116 Technical Mathematics <i>OR</i> MAT 146 Contemporary College Mathematics <i>OR</i> MAT 150 College Algebra	3 (3) (3) (3)			
PSY 110 General Psychology <i>OR</i> SOC 101 Introduction to Sociology	3 (3)			
ENG 101 Writing I	3			
PHY 151 Introductory Physics I <i>AND</i> PHY 161 Introductory Physics I Laboratory <i>OR</i> Natural Science	3 1 (3)			Recommended
GENERAL EDUCATION COURSES SUBTOTAL:	18-19			

TECHNICAL COURSES	Credit	Res	Tr	Notes
Digital Literacy	0-3			KCTCS requires digital literacy by exam or credit
WLD 100 Oxy-Fuel Systems <i>AND</i> WLD 101 Oxy-Fuel Systems Lab <i>OR</i> WLD 110 Cutting Processes <i>AND</i> WLD 111 Cutting Processes Lab	2 2 (2) (3)			Intro course
WLD 120 Shielded Metal Arc Welding <i>AND</i> WLD 121 Shielded Metal Arc Welding Fillet Lab	2 3			Intro course
WLD 123 SMAW Groove with Backing Lab <i>OR</i> WLD 225 SMAW Open Groove Lab	3 (3)			Prereq: WLD 120 & 121 or instructor consent ECTC intro course
WLD 130 Gas Tungsten Arc Welding <i>AND</i> WLD 131 Gas Tungsten Arc Welding Fillet Lab	2 3			Intro course

WLD 133 Gas Tungsten Arc Welding Groove Lab	3			Prereq: WLD 130 or instructor consent Intro course
WLD 140 Gas Metal Arc Welding AND	2			Intro course
WLD 141 Gas Metal Arc Welding Fillet Lab	3			
WLD 143 Gas Metal Arc Welding Groove Lab	3			Prereq: WLD 140 or instructor consent Intro course
WLD 170 Blueprint Reading for Welding AND	2			
WLD 171 Blueprint Reading for Welding Lab	3			
WLD 220 Welding Certification AND	2			
WLD221 Welding Certification Lab	3			
WLD 298 Welding Practicum OR	1-6			Prereq: Consent of instructor
WLD 299 Cooperative Work Experience	(1-6)			Prereq: Consent of instructor
Technical Electives	3			
TECHNICAL COURSES SUBTOTAL:	42-48			
TOTAL DEGREE CREDITS:	60-70			

Recommended Technical Electives:

- 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 Shielded Metal Arc Welding Pipe Lab B
- WLD 235 Gas Tungsten Arc Welding 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

For a list of KCTC general education classes in each category, go to
https://kctcs.edu/media/student/2017-18-catalog/KCTCS%202017-18%20Catalog_for%20printer.pdf >
 Academic Services section> pp. 72-76.
 Or www.kctcs.edu> degrees training> catalog> Academic Services section> pp. 72-76.