



Welding: Intermediate Welder Certificate

2018–2019

DESCRIPTION:

Students who complete the Welding Module Certificate and are looking to become an AWS Certified Welder require more in-depth training.

The Intermediate Welder Certificate provides this necessary training and the ability to enter the workforce as an intermediate level welder. Individuals already working in the welding industry who have never had an opportunity to formalize their training by learning the fundamentals and theories of welding will also benefit greatly from this Intermediate Welder Certificate's technical training. The Intermediate Welder Certificate also prepares an individual for a Level 1 AWS S.E.N.S.E. certification. Columbus State is a Level 2 S.E.N.S.E. Certification School. For more information, see csc.edu/sktr.

ADMISSION REQUIREMENTS:

This is a non-selective, open-admission program. Students may begin this certificate during any semester.

ONGOING REQUIREMENTS:

Students must maintain minimum overall GPA required by the College.

OPPORTUNITIES FOR GRADUATES:

Career:

Some common job titles include braze operator, fabricator, finishing technician, fitter-welder, machine operator, MIG welder, operator, robot operator, spot welder, and technical associate (TA).

Transfer:

Some common job titles include braze operator, fabricator, finishing technician, fitter-welder, machine operator, MIG welder, operator, robot operator, spot welder, and technical associate (TA).

CERTIFICATE REQUIREMENTS (WELDING: INTERMEDIATE WELDER CERTIFICATE):**FIRST SEMESTER**

Course	Term	Credits	Milestones/Progress Check
SKTR 1180 Welding: Intro to Stick	AU/SP/SU	2	
SKTR 1280 Welding: OxyFuel Methods & Plasma Cutting	AU/SP	2	
SKTR 1380 Welding: Introduction to MIG	AU/SP	1	
ENGT 1115 Engineering Graphics	AU/SP/SU	3	
Semester Credits		8	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
SKTR 1480 Welding: Specifications & Drawings	SP	2	
SKTR 1580 Welding: Introduction to TIG Processes	AU	3	
ESSH 1170 OSHA 10 Hour General Industry Safety & Health	On Demand	1	
Semester Credits		6	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
SKTR 2080 Welding: Intermediate Stick & MIG	AU/SP	2	<ul style="list-style-type: none"> Students planning to continue into Franklin University's bachelor's degree program (or other similar programs) should take ECON 2200 for their Social and Behavioral Science requirement. ECON 2200 satisfies both our SBS requirement as well as the SBS requirement at Franklin and in the Ohio Transfer Module.
SKTR 2180 Welding: Intermediate Applications I	AU/SP	2	
MATH 1101 Mathematics for Applied Tech & Construction Sciences	AU/SP/SU	3	
CSCI 1101 Computer Concepts & Applications	AU/SP/SU	3	
Semester Credits		10	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
SKTR 2185 Welding: Intermediate Applications II	AU/SP	2	
SKTR 2280 Welding: Intermediate "V" Groove & Pipe I	SP	2	
SKTR 2780 Welding: Certification Preparation I	SU	1	
Semester Credits		5	
Total		29	

AU: Autumn Semester/SP: Spring Semester/SU: Summer Semester
 Requirements subject to change.