



Welding Associate of Applied Science (A.A.S.)

2018–2019

DESCRIPTION:

The Skilled Trades Welding A.A.S. degree program prepares individuals for careers in technical jobs supporting the welding industry. Welding requires that employees have a broad range of knowledge and skills. The technical coursework in this program provides education and training in five welding processes: shielded metal arc, gas metal arc, gas tungsten arc, and flux cored arc. In addition, to the technical theoretical knowledge coursework, students will study nontechnical coursework needed to provide the necessary support of this technical degree. Our Skilled Trades program proudly participates as a Level II S.E.N.S.E. school. For more information, see csc.edu/sktr.

ADMISSION REQUIREMENTS:

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

ONGOING REQUIREMENTS:

Students must maintain the minimum GPA required by the College.

OPPORTUNITIES FOR GRADUATES:

Career:

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

Transfer:

Students who want to pursue a Bachelor's degree can do so through our partnerships with Franklin University and Ohio University. Upon completing our Associate degree and the Ohio Transfer Module, students can enter either universities Bachelor of Science in Applied Management program. Ohio University offers the following Bachelor Degree programs: Applied Management, Technical and Applied Studies, Technical and Applied Management, and Customer Service.

DEGREE REQUIREMENTS (WELDING A.A.S):

FIRST SEMESTER

Course	Term	Credits	Milestones/Progress Check
SKTR 1101 Survey of the Construction Industry	AU/SP	2	
SKTR 1180 Welding: Intro to Stick	AU/SP/SU	2	
SKTR 1280 Welding: OxyFuel Methods & Plasma Cutting	AU/SP	2	
SKTR 1300 Construction Industry Employability Skills	AU	2	
SKTR 1380 Welding: Introduction to MIG	AU/SP	1	
COLS 1100 First Year Experience Seminar	AU/SP/SU	1	
ENGT 1115 Engineering Graphics	AU/SP/SU	3	
SKTR 1110 Electrical: Fundamentals	AU/SP	2	
Semester Credits		15	

SECOND SEMESTER

Course	Term	Credits	Milestones/Progress Check
SKTR 1470 Welding: Layout & Fit Up	AU/SP	2	
SKTR 1480 Welding: Specifications & Drawings	SP	2	
SKTR 1580 Welding: Introduction to TIG Processes	AU	2	
SKTR 1670 Welding: Metallurgy I	AU/SP	3	
ENGL 1100 Composition I	AU/SP/SU	3	
ESSH 1101 Intro to Environmental Science, Safety & Health	AU/SP/SU	3	
Semester Credits		17	

THIRD SEMESTER

Course	Term	Credits	Milestones/Progress Check
SKTR 2080 Welding: Intermediate Stick & MIG	AU/SP	2	• 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	
SKTR 2185 Welding: Intermediate Applications II	AU/SP	2	
CMGT 1121 Construction Drawings	AU/SP/SU	2	
COMM 1105 Oral Communications OR COMM 1110 Small Group Com-	AU/SP/SU	3	
COMM 2204 Technical Writing	AU/SP/SU	3	
CSCI 1101 Computer Concepts & Applications	AU/SP/SU	3	
Semester Credits		17	

FOURTH SEMESTER

Course	Term	Credits	Milestones/Progress Check
Advanced Studies	AU/SP/SU	3	
Advanced Studies	AU/SP/SU	2	
ESSH 1170 OSHA 10 Hour General Industry Safety & Health	ON DEMAND	2	
HUM Elective (select from list)	AU/SP/SU	2	
MATH 1101 Mathematics for Applied Tech & Construction Sciences	AU/SP/SU	3	
SBS Elective (select from list)	AU/SP/SU	3	
Semester Credits		15	
Total		62	

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