WELDING TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

Banner Code: 1_CN_WELD
Control Number: 22400
Financial Aid Eligible

The Certificate of Achievement program in Welding Technology is for those who desire advanced knowledge of welding for employment as welding technicians.

Welding inspectors, welding engineers, welding supervisors, and advanced welders. Students also completing the required general education requirements and electives may earn the Associate in Science degree. In addition, many OCC welding courses are transferable and can be used by those students who are interested in the welding engineering degree program at Ohio State University. Whatever the case, a person's chances for the job of their choice are much higher when they have the technical background as evidenced by earning our Certificate of Achievement in welding.

Program Outcomes

Program Learning Outcomes

1. Acquire the necessary skills training for proficiency in taking a welding qualification test for certification which may be required for employment.
2. Improve or develop additional proficiencies required for professional growth or advancement in their current employment.

Review Certificate Requirements (https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#achievementtext).

Course	Title	Units
Required Courses		
ENGL C1000	Academic Reading and Writing	4
WELD A101	Arc & Oxy-acetylene Welding	4
WELD A120	Mathematics & Fabrication Layout for Welders	4
WELD A180	Blueprint Reading	2-3
or MACH A120	Measurement and Blueprint Reading	
WELD A201	Advanced Welding	4
WELD A210	Welding Inspection and Testing	4
WELD A220	Welding Specifications and Codes	2
WELD A230	Welding Metallurgy	3
Restricted Electives - Select one of the following:		*3*
WELD A130	Gas Tungsten Arc Welding Level 1	
WELD A131	Gas Tungsten Arc Welding Level 2	
WELD A250	Pipe Welding Level 1	
WELD A251	Pipe Welding Level 2	
WELD A252	Pipe Welding Level 3	
WELD A253	Pipe Welding Level 4	
Total Units		**30-31**

Welding Technology Suggested Electives
WELD A115 Arc and Oxy-acetylene Welding Practice Level 1
WELD A215 Advanced Arc and Oxy-Acetylene Level 1
WELD A255 Orbital Welding Level 1

Program Sequence

These sequences at Orange Coast College are curriculum maps for students to finish all requirements for the certificate. There may be advisories, prerequisites, or time requirements that students need to consider before following these maps. **Students are advised to meet with an Orange Coast College Counselor for alternate sequencing.**

Some courses in this program may be offered once per academic year.

Year 1		
Semester 1		**Units**
WELD A101	Arc & Oxy-acetylene Welding	4
ENGL C1000	Academic Reading and Writing	4
	Units	**8**
Semester 2		
WELD A201	Advanced Welding	4
WELD A230	Welding Metallurgy	3
	Units	**7**
Summer		
MACH A120 or WELD A180	Measurement and Blueprint Reading or Blueprint Reading	2-3
WELD A220	Welding Specifications and Codes	2
	Units	**4-5**
Year 2		
Semester 1		
WELD A120	Mathematics & Fabrication Layout for Welders	4
CERT RESTRICTED ELECTIVES- CHOOSE ONE		3
WELD A130	Gas Tungsten Arc Welding Level 1	
WELD A131	Gas Tungsten Arc Welding Level 2	
WELD A250	Pipe Welding Level 1	
WELD A251	Pipe Welding Level 2	
WELD A252	Pipe Welding Level 3	
WELD A253	Pipe Welding Level 4	
	Units	**7**
Semester 2		
WELD A210	Welding Inspection and Testing	4
	Units	**4**
	Total Units	**30-31**