

# WELDING TECHNOLOGY, CERTIFICATE OF ACHIEVEMENT

Financial Aid Eligible

Banner Code: 1\_CN\_WELD

Control Number: 22400

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

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.

## Certificate Requirements

Orange Coast College offers two types of certificate awards in career programs designed to prepare the graduate to enter a particular field of employment. At least 3 units in an advanced course from the certificate must be completed at OCC.

1. **Certificate of Achievement** - 8 units or more in a state-approved program. Certificates of Achievement are not automatically awarded. A petition must be filed in Enrollment Services or online at the beginning of the semester in which the student will be completing his or her final requirements. The petitioning periods are listed in the Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/>) section of this catalog.
2. **Certificate of Specialization** - 16 units or less in a locally approved program. Certificates of Specialization are not automatically awarded, not printed on official academic transcripts, and there is no acknowledgment of completion given at graduation. Please contact the division for details regarding the submission of petitions as procedures for each division vary. Most division offices prefer that students complete all of the required courses and then provide a copy of the transcript while some divisions allow petitions for Certificates of Specialization before finishing.

### Minimum Grade Requirement

In order to be awarded a certificate, students are required to obtain a grade of "C" or better in all program-required courses. Grades of "CR" or "P" will be accepted whereas "CR" or "P" meets the equivalency of a "C" or better. A list of certificate programs can be found in the Programs A-Z (<https://catalog.cccd.edu/orange-coast/programs-study/>) section of

this catalog. Check with a counselor to determine the requirements for completion.

Course	Title	Units
<b>Year 1</b>		
<b>Fall</b>		
ENGL A100	Freshman Composition	3
WELD A100 or WELD A101	Arc & Oxy-acetylene Welding or Arc & Oxy-acetylene Welding	3-4
WELD A120	Mathematics & Fabrication Layout for Welders	4
	Units	10-11
<b>Spring</b>		
WELD A200 or WELD A201	Advanced Welding or Advanced Welding	3-4
WELD A230	Welding Metallurgy	3
	Units	6-7
<b>Year 2</b>		
<b>Fall</b>		
WELD A220	Welding Specifications and Codes	2
	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	
	Units	5
<b>Spring</b>		
WELD A210	Welding Inspection and Testing	4
	Units	4
<b>Summer</b>		
MACH A120 or WELD A180	Measurement and Blueprint Reading or Blueprint Reading	2-3
	Units	2-3
	Total Units	27-30

## Welding Technology Suggested Electives

Course	Title	Units
WELD A115	Arc and Oxy-acetylene Welding Practice Level 1	1-2
WELD A215	Advanced Arc and Oxy-Acetylene Level 1	1-2
WELD A255	Orbital Welding Level 1	3