

ORBITAL WELDING, CERTIFICATE OF SPECIALIZATION

Banner Code: 1_CE_ORBW
Not Financial Aid Eligible

Students completing the Certificate of Specialization in Orbital Welding will be prepared for entry-level employment in the piping industry.

Program Outcome

Perform welds on pipe or tubing using orbital welding equipment to the standards of AWS and ASME Code.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#specializationtext>).

Course	Title	Units
Required Courses		
WELD A120	Mathematics & Fabrication Layout for Welders	4
WELD A180	Blueprint Reading	2
WELD A255	Orbital Welding Level 1	3
WELD A230	Welding Metallurgy	3
WELD A256	Orbital Welding Level 2	3
Total Units		15

Orbital Welding Suggested Electives:

WELD A130 Gas Tungsten Arc Welding Level 1
WELD A131 Gas Tungsten Arc Welding Level 2

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.

Course	Title	Units
Year 1		
Semester 1		
WELD A100 or WELD A101 or WELD A140	Arc & Oxy-acetylene Welding or Arc & Oxy-acetylene Welding or Occupational Welding Level 1	3-4
	Units	3-4
Semester 2		
WELD A255	Orbital Welding Level 1	3
WELD A120	Mathematics & Fabrication Layout for Welders	4
	Units	7

Course	Title	Units
Summer		
WELD A180	Blueprint Reading	2
	Units	2
Year 2		
Semester 1		
WELD A256	Orbital Welding Level 2	3
WELD A230	Welding Metallurgy	3
	Units	6
	Total Units	18-19