

ORBITAL WELDING, CERTIFICATE OF SPECIALIZATION

Not Financial Aid Eligible
Banner Code: 1_CE_ORBW

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

Program Outcome

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

Certificate of Specialization Requirements

The Certificate of Specialization is a locally approved career program that requires sixteen units or fewer units and is designed to prepare the graduate to enter a particular field of employment. 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. At least 3 units in an advanced course from the certificate must be completed at OCC at the department's discretion. 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. Check with a counselor to determine the requirements for completion.

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.

| Course | Title | Units |
|------------------------|--|-----------|
| Fall Semester | | |
| WELD A255 | Orbital Welding Level 1 | 3 |
| Second Semester | | |
| WELD A256 | Orbital Welding Level 2 | 3 |
| WELD A120 | Mathematics & Fabrication Layout for Welders | 4 |
| Summer Semester | | |
| WELD A180 | Blueprint Reading | 2 |
| Third Semester | | |
| WELD A230 | Welding Metallurgy | 3 |
| Total Units | | 15 |

Orbital Welding Suggested Electives

| Course | Title | Units |
|-----------|----------------------------------|-------|
| WELD A130 | Gas Tungsten Arc Welding Level 1 | 3 |
| WELD A131 | Gas Tungsten Arc Welding Level 2 | 3 |