

Points of Interest and Clarification: Welding Technology

What are the degree and certificate options offered by your department?

- Industrial certifications (3rd party) may be available at instructors' discretion.
- *Welding Certificate*
- *Manufacturing Tech AS* – Welding emphasis

For more information:

- FC Catalog: <https://www.fullcoll.edu/schedule/>
- FC CTE website: <https://cte.fullcoll.edu/>

Best class to take to explore the major:

WELD 100 (3 units) or WELD 091AF (5 units)

What job/career opportunities do your degrees and certificates prepare students for? (Stories of student successes and struggles are always helpful)

Boilermakers, Pipefitters, Ironworkers, Millwrights/Industrial Machinery Mechanics, Heavy Equipment Operators/Repair, and Machinists.

Positions in Field Type Settings

Unionized (Some, but not all positions).
Starting wages: \$20-25 with benefits
Apprenticeship programs

Positions in Shop Type Setting

More available but offer minimum wage to \$18.00/hr for entry level shop-type welding positions.

Expect to spend the first 1-5 years developing a comprehensive understanding of the hard and soft skills required in a specific industry or by a specific employer. Apprenticeship programs often provide this kind of training.

What are the occupational outlooks for these job/career opportunities in Orange County?

Recommended websites to review the job opportunities, salaries, and qualifications:

Job search engines, FC CTE website, local unions (see below), word of mouth, etc.

Local Trade Unions (not a comprehensive list):

Name:	Local #	Website
Elevators	18	iueclocal18.org
Plumbers/Pipefitters	582 & 250 & 230	ualocal582.org ua250.org
Longshore	13	ilwu13.com
Operating Engineers	12	local12.org
Boilermakers	92	boilermakerslocal92.org
Millwrights	1607	local1607.org
Iron Workers	433	ironworkers433.org
Iron Workers (Rebar)	416	ironworkers416.org
Electricians	40, 11 & 18	ibew40 / ibew11 / ibewlocal18.org
Pile Drivers/Carpenters	2375	swctf.org
Glaziers	636	socialglaziers.org
Laborers	562/1309	liuna.org

How do you explain the benefits of a certificate or associates degree when the student is also planning to earn a Bachelor's degree?

The ability to become employed and earn a good wage while continuing your education.

One or more industrial certifications can qualify a student for many jobs in welding and may be earned in as little as one semester.

What permits or certifications are available to your students and what help do they provide?

All full-time Welding faculty are American Welding Society Certified Welding Inspectors and can certify students in a variety of industry recognized certifications. One of the most recognized certifications students can test for while in the program is the L.A. City Structural Welding Certification.

What student populations are your degrees and certificates most appropriate for? For example, are certain certificates more suitable for students who already have a degree?

Just the one degree and certificate option, in the experience of the faculty, each can be very helpful for a student who wants to move up within a company or industry. For example, having an AS in Manufacturing can help students move into a team lead or lower/middle management position.

What partnerships do you have with the community and how can those partnerships assist students with networking and career placement?

A strong (informal) alumni network and a number of local employers who contact the department with job postings. Students consistently inform me that the welding program at Fullerton College receives high ratings on various forums and other online platforms.

What websites do you direct students to for employment purposes?

Trade unions and job posting information available in the Welding shop.

Monster and Indeed are also good sources for job postings.

Alumni network and local employers. See above.

If you were an academic counselor, what additional advice would you provide a student interested in your programs?

If undecided on restricted electives, consider Tech 127 as safety is very important and Tech 108 (Manufacturing processes), Tech 081 (Math), Metl 192 (Metallurgy), Draf 101 (blueprint reading), Draf 171 (drafting), Weld 098 (Fabrication), or Weld 096.

Transfer Considerations:

Best Faculty to Contact:

Will Daniel (Department Coordinator)
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Suggested Sequence for Full-time/Day Students

Semester 1

WELD 091AF 5 week session (5 units) or WELD 100_F (3 units)

WELD 091BF 5 week session (5 units)

WELD 091CF 5 week session (5 units)

Semester 2

WELD 091DF 5 week session or full semester (5 units)

Restricted Elective* (2-5 units)

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WELD 120 or 100 if they want more lab time

*Restricted Electives must total 5-9 units