



# WELDING

## DIPLOMA

### Possible Employment Opportunities\*

- Aluminum Welder, Fabricator* ◀
- Maintenance Welder* ◀
- MIG Welder* ◀

In the Welding Diploma Program, students will develop technical skills and practical experiences related to cutting metal. In addition, they will interpret manufacturing and construction drawings and measurements used in the field. Students will also apply gained knowledge of SMAW [Shielded Metal Arc Welding], GMAW [Gas Metal Arc Welding], FCAW [Flux Core Arc Welding], and GTAW [Gas Tungsten Arc Welding] processes, as well as pipe welding techniques related to these four welding processes.

### Certifications

Students are eligible for certification of completion and membership for:

- OSHA 10 Training Course
- National Center for Construction Education & Research [NCCER] Core Curriculum
- [NCCER] Welding Level 1, 2 and 3
- American Welding Society [AWS] Membership

**(855) 469.6046 - [ftccollege.edu](http://ftccollege.edu)**

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FTC is approved by State Approving Agency for Veterans' Affairs

\*These examples are intended to serve only as a general guide of possible employment opportunities. There are many factors that determine the job an individual may obtain, and Florida Technical College cannot guarantee its graduates any particular job. Some positions may require a license or other certifications. We encourage you to research the requirements for the particular position you desire. Program availability varies by campus.



# 7 Florida campuses\*

\*Program availability varies by location.

## WELDING DIPLOMA

### Admission Requirements

- High School Diploma or a recognized equivalent.

### Duration Of Program

- 12 month
- 61 quarter credit

### Distribution

- 260 lecture hours
- 700 lab hours
- 960 total contact hours

### Courses

- Safety and Craft Skills
- Applied Math for Welding
- Welding Drawings
- Introduction to Welding and Cutting Process
- Shielded Metal Arc Welding I & II [SMAW]
- Flux Core Arc Welding [FCAW] and Gas Metal Arc Welding [GMAW]
- Gas Tungsten Arc Welding [GTAW]
- Pipe Welding I [SMAW]
- Pipe Welding II [GMAW & FCAW]
- Pipe Welding III [GTAW]
- Aluminum Welding [GTAW & GMAW]



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