



Welding Technology

Welders play a critical role in manufacturing, construction, transportation, and infrastructure by joining, repairing, and cutting metal parts using specialized equipment. Welders work in a wide range of settings, from fabrication shops and factories to construction sites, and most work full time, with opportunities for overtime in many industries.


APPLY NOW

About the Program

This certificate program prepares students for entry into the welding industry. Students explore career opportunities and the requirements of becoming a professional welder.

High School Dual Enrollment Students may enroll part time or full time.



1050 Clock Hour Certificate

TERM #1 (Fall or Spring)

- **PMT 0070C** - Welder Assistant 1 (150Hrs)
- **PMT 0071C** - Welder Assistant 2 (150Hrs)
 - Student completes FDOE curriculum frameworks OCP A at this point.

TERM #2 (Fall or Spring)

- **PMT 0072C** - Welder SMAW 1 (150 Hrs)
- **PMT 0073C** - Welder SMAW 2 (150 Hrs)
 - Student completes FDOE curriculum frameworks OCP B at this point.

TERM #3 (Fall or Spring)

- **PMT 0080C** - Welder I (150 Hrs)
- **PMT 0081C** - Welder II (150 Hrs)

TERM #4 (Fall or Spring)

- **PMT 0082C** - Welder III (150 Hrs)
 - Student completes FDOE curriculum frameworks OCP C at this point.



Program Graduates can continue to the Welding Technology - Advanced Certificate (750 Clock Hours)

Industry Certifications

American Welding Society (AWS) Certified Welder certifications offered in FCAW, GMAW, SMAW, and GTAW for plate and pipe applications, including carbon steel, stainless steel, chrome alloys, and dissimilar metals.

DE Entry Requirements

- High school approval to enroll
- Must be at least 16 years of age
- Minimum 2.0 Unweighted GPA

*A basic skills assessment must be completed within the first six (6) weeks of program admission. Students must meet the basic skills requirement through required scores or an exemption to receive a certificate of completion at the end of the program.



Estimated Hourly Wages

Florida: \$21.69-\$30.19

16.8% Anticipated Job Growth Rate by 2033

floridajobs.org - 2025-26 Florida Statewide Demand Occupations List; 2025-2033 Occupational Employment Projections

Related Jobs/Careers

- Welder
- Structural Iron and Steel Worker
- Boilermaker
- Welding Inspector

FDOE Program # J400400 | CIP 48.0508

Contact Us



dualenrollment@nfc.edu



850.973.1628



Dual Enrollment Pathway Planner

Welding Technology

Program Type: Career Certificate
Location: NFC Main Campus

Total Clock Hours: 1050
Estimated Completion Time: 4 Terms (Part Time - MTWRF)

Part Time Pathway

Term 1: 300 Hours (Fall -or- Spring)

Record Course Reference Number (CRN) Here

PMT 0070C

Welder Assistant 1 _____

___ Morning (8:30 am - 11:30 am)

-or-

___ Afternoon (12:30 pm - 3:30 pm)

-or-

___ Evening (5:30 pm - 9:30 pm)

PMT 0071C

Welder Assistant 2 _____

Term 2: 300 Hours (Fall -or- Spring)

PMT 0072C

Welder SMAW 1 _____

___ Morning (8:30 am - 11:30 am)

-or-

___ Afternoon (12:30 pm - 3:30 pm)

-or-

___ Evening (5:30 pm - 9:30 pm)

PMT 0073C

Welder SMAW 2 _____

Term 3: 300 Hours (Fall -or- Spring)

PMT 0080C

Welder I _____

___ Morning (8:30 am - 11:30 am)

-or-

___ Afternoon (12:30 pm - 3:30 pm)

-or-

___ Evening (5:30 pm - 9:30 pm)

PMT 0081C

Welder II _____

Term 4: 150 -or- 300* Hours (Fall -or- Spring)

PMT 0082C

Welder III _____

___ Morning (8:30 am - 11:30 am)

-or-

___ Afternoon (12:30 pm - 3:30 pm)

-or-

___ Evening (5:30 pm - 9:30 pm)

*Students planning to continue into the Welding Technology - Advanced Certificate may, with Special Permission, elect to register for the first course in the sequence, provided they indicate their intent at the start of the term.

PMT 0176C

Advanced Shielded Metal Arc Pipe Welding



Full Time Pathways Available

8:30 am - 3:30 pm -or- 12:30 pm - 9:30 pm

Students who are able to transition to full-time attendance may enroll in up to three courses (450 clock hours) during the Fall or Spring term, or up to two courses (300 clock hours) in the summer*.

*See course schedule for details

Submit Your Registration Requests

Using the Course Reference Numbers (CRNs) you recorded, submit your course requests using the Dual Enrollment Online Registration Request Form. Your requests will be reviewed and approved by your High School Guidance Counselor.

