

2023-2024

MANUFACTURING

Atlantic Technical College & Technical High School

WELDING TECHNOLOGY

Course Content:

Students will work in a specialized classroom and practical laboratory learning how to cut and join metal parts through the application of arc welding. Instruction includes: selection of proper torch tips; adjustment of gas pressure and flame according to the size and characteristics of metal; selection of proper electrodes; adjustment of voltage and current for the type of metal; flame cutting; and use of equipment introducing a shield of inert gas (MIG-TIG & FCAW) around the electric arc to prevent oxidation.

Instruction also involves classroom and practical experiences to teach students to fabricate and weld joints and perform fabrication in other areas of welding. Related instruction in blueprint reading and layout is included as an integral part of the program. Safety instruction is provided throughout the program and safe practices and procedures are stressed in all lab situations.

Additional Skills Covered:

- Blueprint Reading for Welders
- Employability Skills
- GMAW – Gas Metal ARC Welding (plate)
- GTAW – Gas Tungsten ARC Welding (plate)
- OAC – Acetylene Cutting
- OSHA 10 Training made available
- P.A.C. – Plasma ARC Cutting
- SMAW - Shielded Metal ARC Welding (plate)
- Welding Certification Available

Admission Requirements:

- 16 Years of Age or Older
- Complete a Program Specific Orientation
- Basic Skills Testing or Exemption
- Meet with Program Counselor/Advisor

Program Length

1050 Hours (approximately 11 months full-time)

Program Offered

August & January

Delivery Method

Traditional - 100% classroom based

Days & Times

Monday - Friday | 7:05 a.m. - 1:50 p.m.

Job Outlook



For information regarding Welding Technology salaries/wages, visit FloridaJobs.org



Atlantic Technical College & Technical High School

4700 Coconut Creek Parkway
Coconut Creek, FL 33063
754-321-5100 | Fax: 754-321-5380

Atlantic Technical College Arthur Ashe, Jr. Campus

1701 NW 23rd Avenue
Fort Lauderdale, FL 33311
754-322-2800 | Fax: 754-322-2880

For more information call
754-321-5200 or visit
AtlanticTechnicalCollege.edu



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MANUFACTURING

WELDING TECHNOLOGY

J400400 (1050 Hours)

Tuition

(approximate cost based upon program length)

Lab

(approximate cost based upon program length)

Basic Skills Test

Registration

(non-refundable fee - \$40/semester or \$20/quarter)

Annual Student Activity Fee

(\$20 per academic year)

In-State Fees

\$2,940

Out-Of-State Fees

\$11,760

Tuition, Lab, Assessment, Registration, Activity Fee (approximate costs)

There may be additional costs associated with books, uniforms, special tools, equipment and other related items.

\$3,948

\$12,768

Industry Certification & State Credential Exams:

Students will be prepared to take an approved state and/or nationally recognized industry certification or licensure exam in their field of study. Exam costs are additional; however, you may qualify for reimbursement of your exam cost(s) upon passing. See your program counselor/advisor for more information.

College Credit Transfer Opportunity and/or Advanced Standing:

Upon completion of the program and meeting eligibility requirements, including the attainment of an aligned industry certification, students may be awarded credits toward an Associate Degree by the Florida College System. Students must enroll within two (2) years of completing the program at Atlantic Technical College. Additional college credit may be awarded with the attainment of additional industry certifications.

Books / Supplies:

For a list of books and prices go to atlantictechnicalcollege.edu/bookstore-price-list/ or visit the bookstore on campus. Additional supply information can be found in the syllabus located on the Web page for this program.

GET STARTED TODAY!

YOUR ACTION STEPS:

- Step 1:** Attend an ATC Program Information Session
- Step 2:** Reply to Follow-up E-mail
- Step 3:** Secure Funding Source
- Step 4:** Registration, Payment, and Enrollment

POSSIBLE JOB TITLES:

- Welder
- Welder Fabricator
- TIG Welder
- MIG Welder
- Combination Welder



GET THERE
with Atlantic Technical College

The mission of Atlantic Technical College and Technical High School is to promote excellence in academic, career and technical studies in order to prepare students to enter and remain competitive in a global workforce.

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