



2024-2025 | ATLANTIC TECHNICAL COLLEGE & TECHNICAL HIGH SCHOOL
MANUFACTURING

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.

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



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



Enroll in This Fast Track Program for a Career in a Year

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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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



The mission of Atlantic Technical College & 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.

WELDING TECHNOLOGY

J400400 (1050 Hours)

Tuition (approximate cost based upon program length)	\$2,940	\$11,760
Lab (approximate cost based upon program length)	\$893	\$893
Basic Skills Test	\$15	\$15
Registration (non-refundable fee - \$40/semester or \$20/quarter)	\$80	\$80
Annual Student Activity Fee (\$20 per academic year)	\$20	\$20

In-State Fees

Out-Of-State Fees

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

\$3,948

\$12,768

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

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, you may be eligible to receive FREE associate degree transfer credits from Broward College or another state college. To learn more and determine eligibility, visit browardtechnicalcolleges.com/articulation-agreement/, scroll to the career cluster photos, click Manufacturing, or contact your program counselor/advisor. Additional college credit may be awarded with the attainment of industry certifications.

Books / Supplies:

For a list of books and prices go to atlanticttechnicalcollege.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.

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