

# 2025-2026 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.

### 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
- Attend an ATC Program Information Session
- Basic Skills Testing or Exemption
- Meet with Program Counselor/Advisor



### PROGRAM LENGTH

1050 Hours (approx. 11 months full-time)

### PROGRAM OFFERED

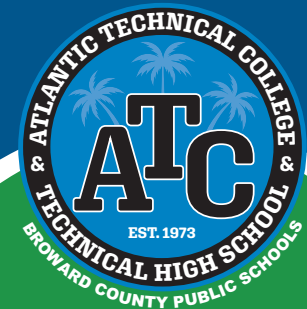
August & January

### DELIVERY METHOD

Traditional: 100% classroom based

### DAYS & TIMES

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



### Atlantic Technical College & Technical High School

4700 Coconut Creek Parkway  
Coconut Creek, FL 33063  
754.321.5100 | Fax: 754.321.5380

### 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](http://AtlanticTechnicalCollege.edu)



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**Career** in a **Year**



# GET STARTED TODAY

## YOUR ACTION STEPS

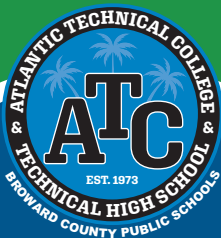
- STEP 1** | Attend an ATC Program Information Session
- STEP 2** | Reply to Follow-up Email
- STEP 3** | Secure Funding Source
- STEP 4** | Registration, Payment, and Enrollment

## POSSIBLE JOB TITLES

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

## Job Outlook

For information regarding *Welding Technology* salaries/wages, visit [FloridaJobs.org](http://FloridaJobs.org)



**GET THERE**  
with Atlantic Technical College

**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.

# 2025-2026 MANUFACTURING

## MACHINING TECHNOLOGIES

**J400400 (1050 HOURS)**

### TUITION

(approx. cost based upon program length)

### LAB FEE

(approx. cost based upon program length)

### BASIC SKILLS TEST

### REGISTRATION FEE

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

### ANNUAL STUDENT ACTIVITY FEE

(\$20 per academic year)

### IN-STATE FEE

### OUT-OF-STATE-FEE

**\$2,940**

**\$11,760**

**\$1,575**

**\$1,575**

**\$15**

**\$15**

**\$80**

**\$80**

**\$20**

**\$20**

### TUITION & FEES

are subject to change based on enrollment. There may be additional costs associated with books, uniforms, special tools, equipment, and other related items.

**\$4,630**

**\$13,450**

### 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 CREDENTIAL EXAMS:

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/](http://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/](http://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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