



**Atlantic Technical College  
and Technical High School**  
www.atlanticttechnicalcollege.edu

# *Welding Technology*

## *2021-2022*

### **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.

### **Admission Requirements:**

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

### **Job Outlook:**

According to the [Florida Department of Economic Opportunity](#), the current South Florida Tri-County entry annual salary range for Welding Technology positions is approximately \$21,800 – \$32,200. Actual wages may vary according to education, certifications, and experience.

### **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

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



**FOR MORE INFORMATION CALL 754-321-5200**

**Atlantic Technical College  
and Technical High School**

4700 Coconut Creek Pkwy  
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

**See back of page for estimated program costs based on one (1) full year of documented Florida residency.**

Tuition (approximate cost based upon program length)		\$2,940
Lab (approximate cost based upon program length)		\$788
Basic Skills Test		\$15
Registration (non-refundable fee)	\$40 per semester or \$20 per quarter	\$80
Annual Student Activity Fee	\$20 per academic year	\$20

<b>TUITION, LAB, ASSESSMENT, REGISTRATION, ACTIVITY FEE (approximate costs)</b>	<b>\$3,843</b>
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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 and meeting eligibility requirements, including the attainment of an aligned industry certification, students may be awarded credits toward an Associate Degree by Broward College. 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 [www.atlanticttechnicalcollege.edu/bookstore-price-list/](http://www.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.

## Your Action Steps - Get Started Today!

- Step 1: Attend a Program Specific Orientation
- Step 2: Reply to your Orientation Follow-up E-mail
- Step 3: Complete an Application
- Step 4: Apply for Financial Aid (optional)
- Step 5: Disability Services (optional)
- Step 6: Complete & Upload Required Documents
- Step 7: Counselor Interview
- Step 8: Registration & Enrollment

## Possible Job Titles

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



*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.*

