

# 2023-2024

## ARCHITECTURE & CONSTRUCTION

Atlantic Technical College & Technical High School

# DRAFTING

### Course Content:

Instruction is designed to provide experience in all aspects of this graphic language and teaches students how to use it to express their individual creative ideas and designs. Students begin their training by learning drafting principles and techniques using traditional manual drafting boards and tools. They then advance to the extensive use of techniques and technology utilized to prepare 2-D Computer-Aided Design and Drafting (CADD) work using AutoCAD, 3-D Building Information Modeling (BIM) drawings using Revit, and advanced mechanical design drawings using SolidWorks.

Students will be able to see their efforts come to life as their projects are created in 3-D through the latest technology in rapid prototyping using a 3-D printer. Rapid prototyping is a group of techniques used to quickly fabricate a scale model of a physical part or assembly using 3-D Computer Aided Design (CAD) data from a digital file.

### Additional Skills Covered:

- 3D Printing
- Assembly, Detail & Pictorial Drawings
- Auxiliary Drawings
- Blueprint Reading
- Civil Plan & Map Drawings
- Electronic Drawings
- Exterior Elevations, Sections & Details
- Floor, Roof, Foundation, HVAC, Plumbing & Electrical Plan Drawings
- Fundamentals of Architectural/Engineering Design
- Fundamentals of Mechanical Design
- Multiview, Sectional, Fastener & Tool Drawings
- Patterns & Surface Developments
- Site/Plot Plan & Landscape Plan Designs
- Structural Framing Plan Drawings & Details
- Welding, Industrial Piping & Pneumatic/Hydraulic Drawings

### 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

1500 Hours (approximately 14 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 Drafting salaries/wages, visit [FloridaJobs.org](https://www.floridajobs.org)



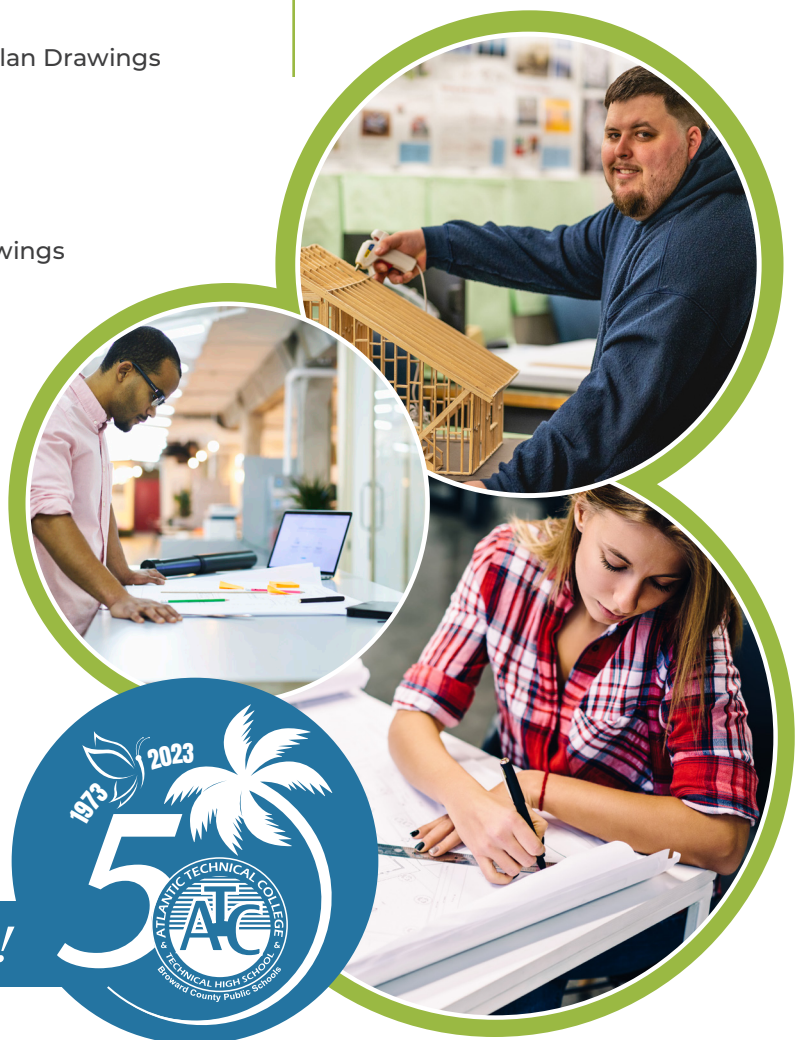
### Atlantic Technical College & Technical High School

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](https://AtlanticTechnicalCollege.edu)**



*Celebrating 50 Years of Excellence!*

# DRAFTING

## C100200 (1500 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

\$4,200

### Out-Of-State Fees

\$16,800

\$300

\$300

\$15

\$15

\$120

\$120

\$40

\$40

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

\$4,675

\$17,275

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 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 [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.

# 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:

- Civil Drafter
- Architectural Drafter
- Mechanical Drafter
- CAD Operator/Drafter
- AutoCAD/CAD Technician



**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.

Follow us on:

