



# Atlantic Technical College and Technical High School

www.atlantictechcollege.edu

## Drafting 2021-2022

### 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.

### 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.

### 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 Drafting positions is approximately \$38,800 – \$41,600. Actual wages may vary according to education, certifications, and experience.

### 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

**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.

## DRAFTING

C100200 I (1500 hours)

Fees

Tuition (approximate cost based upon program length)		\$4,200
Lab (approximate cost based upon program length)		\$300
Basic Skills Test		\$15
Registration (non-refundable fee)	\$40 per semester or \$20 per quarter	\$120
Annual Student Activity Fee	\$20 per academic year	\$40
<b>TUITION, LAB, ASSESSMENT, REGISTRATION, ACTIVITY FEE (approximate costs)</b>		<b>\$4,675</b>

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.atlantictechnicalcollege.edu/bookstore-price-list/](http://www.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.

## 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

- 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.*

