Atlantic Technical College

www.atlantictechnicalcollege.edu

Drafting
2020-2021

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   7:30 a.m. – 2:15 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

Additional Skills Covered:
- 3D Printing
- Assembly, Detail & Pictorial Drawings
- Auxiliary Drawings
- Blueprint Reading
- Civil Plan & Map Drawings
- Electronic Drawings
- Exterior Elevations, Sections & Details
- Fundamentals of Architectural /Engineering Design
- Floor, Roof, Foundation, HVAC, Plumbing & Electrical Plan Drawings
- 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

Job Outlook in the Ft. Lauderdale area:
- Demand for Architectural & Civil Drafters is expected to grow about 7% between 2016 and 2026 (Source: Bureau of Labor Statistics).
- Entry level wages for Drafters are about $16/ hour (Source: The Florida Department of Economic Opportunity). Actual wages vary according to education, experience and certifications.

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 I FAX: 754-321-5380

Atlantic Technical College Arthur Ashe, Jr. Campus
1701 NW 23rd Avenue
Fort Lauderdale, FL 33311
754-322-2800 I 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
TUITION, LAB, ASSESSMENT, REGISTRATION, ACTIVITY FEE (approximate costs)		**$4,675**

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/ 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: Complete an Application

Step 3: Apply for Financial Aid (optional)

Step 4: Request Disability Services (optional)

Step 5: Complete & Return Documents to Counselor

Step 6: Counselor Interview

Step 7: Registration & Enrollment

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.