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 am – 1:50 pm

Job Outlook:
For information regarding Drafting salaries/ wages, visit floridajobs.org

DEO
FLORIDA DEPARTMENT of ECONOMIC OPPORTUNITY

CAREER IN A YEAR
FLORIDA'S PUBLIC TECHNICAL COLLEGE SYSTEM

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

Atlantic Technical College and 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**

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

DRAFTING

C100200 (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.

GET STARTED TODAY!

YOUR ACTION STEPS:

Step 1: Attend a Program Specific Orientation

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

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 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.

BROWARD County Public Schools
Established 1915

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.