

# 2023-2024

## MANUFACTURING

Atlantic Technical College & Technical High School

# MACHINING TECHNOLOGIES

### Course Content:

Students will learn how to set up and operate the following types of machines: contour saw, drill press, lathe, milling machine, grinder, and Computerized Numerical Control (CNC) machines. Instruction also includes the use of precision measuring instruments such as, layout and inspection tools, micrometers, and gauges. CNC programming, use of Computer Aided Design/Computer-Aided Manufacturing (CAD/CAM) processes, and set up and performance of advanced level machining operations are taught.

Related trade math and blueprint reading are part of the program and are used extensively in laboratory activities. The machinery and materials used are those commonly found in the machine tool industry. Instruction is provided in safe practices, which are critical in this industry, and the use of tools, equipment, materials and processes found in the machining industry.

### Additional Skills Covered:

- Blueprint Reading
- CAD (Computer Aided Design)
- CNC (Computerized Numerical Control)
- Employability Skills
- Lathe Operations
- Milling Operations
- OSHA 10 Training made available
- Surface Grinding

### 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

### Delivery Method

Traditional - 100% classroom based

### Days & Times

Monday - Friday | 7:05 a.m. - 1:50 p.m.

### Job Outlook

DE  For information regarding Machining Technologies 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!*



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## MANUFACTURING

# MACHINING TECHNOLOGIES

### J200100 (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

\$525

\$525

\$15

\$15

\$120

\$120

\$40

\$40

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

\$4,900

\$17,500

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

# 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:

- Machinist
- Manual Machinist
- CNC Machinist
- CNC Operator
- QC Inspector



**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.

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