



Atlantic Technical College

Plumbing Program Syllabus 2024-2025



| | |
|---|--|
| Instructor Name: Mike Talbert Department Name: Technical Trades Department Office/Classroom Location: Building 18, Room 285 Phone Number: 754-493-3107 Email Address: Leonard.talbertjr@browardschools.com Department Head: Daniel Bond/ daniel.bond@browardschools.com Administrator: Dr. Tammy Clabo/ tammy.clabo@browardschools.com | Instructor Office Hours: M-F: 6:00 AM- 7:00 AM 1:50 PM – 2:50 PM (By appointment only) |
|---|--|

| | | | |
|---|---|-------------------------------------|----------------------|
| Student Hours: Monday – Friday 7:05am to 10:10am (Adults & High School 11 Graders) Lunch: 10:10am to 10:50pm 10:50am to 1:50pm (Adults & High School 12 Graders) | Program Name: Plumbing Career Cluster: Architecture & Construction | | |
| | OCPs | Course Number / Title | Course Length |
| | A | BCV0508 Helper, Plumber, Pipefitter | 360 hours |
| | B | Residential Plumber | 240 hours |
| | C | Commercial Plumber | 240 hours |
| | D | Plumbing Applications | 240 hours |
| <i>NOTE: All students are expected to be present during their entire scheduled class time(s). All classroom breaks will occur on an "as needed" basis. The wall clock in the classroom will serve as the official time.</i> | | | |

ATTENDANCE:
 For Postsecondary (Adult) Students: Excessive absences or tardies can lead to involuntary withdrawal from the program. Reentry will require referral to the program counselor or administrator.

To minimize class disruption, if a student is out of class for an excessive period as identified by the instructor, that student will be marked absent for the day for attendance and grading purposes. Additional school attendance rules are as follows:

- A student must be withdrawn after being absent for six (6) consecutive days.
- Two (2) additional absences may be allowed under certain circumstances with appropriate documentation.
- For Post-Secondary students there are no excused absences.
- Please refer to the Student Handbook for postsecondary students. [ATC Student Handbook](#)

Magnet High School/Attendance Policy:

A student who has had at least five unexcused absences, or absences for which the reasons are unknown, within a calendar month, or 10 unexcused absences, or absences for which the reasons are unknown, within a 90-calendar-day period, may be exhibiting a pattern of non-attendance (F.S.1003.26 (1) (b)) and the School Board of Broward County, Policy 5.5.

Required Book(s) and/or Online Access

Available for purchase at the ATC Bookstore:

Modern Plumbing Bundle 9th Edition *
ISBN# 9781645646686

2021 Code and Commentary
ISBN#

Required Materials/Supplies

Purchased from ATC Bookstore:
Safety Glasses OSHA approved. *

Not Purchased from ATC Bookstore:
Key Padlock

Recommended Materials/Supplies

Gloves
Notebook
Writing utensils

Book Store Hours (subject to change)

Monday – Friday 8:00 am – 3:00pm

Daily Break: 1:00 pm to 2:00 pm

ADULT STUDENTS: *All required books & some materials/supplies can be purchased from the school bookstore. Stop by during operational hours for pricing & purchasing information. All other required materials/ retail supplies not available at the bookstore need to be purchased elsewhere. All required books and required materials/retail supplies need to be obtained prior to the start of the program.*

HIGH SCHOOL STUDENTS: *Students receive all required books and most of the required materials/supplies on loan, for the exception of those required materials/ retail supplies that have an asterisk (*) before their name as shown above. High School students are responsible for the care and return of all the required books and required materials/supplies on loan and will be issued an obligation for damaged or missing books and/or materials/supplies. Some of the required materials/supplies can be purchased from the school bookstore. Stop by during operational hours for pricing & purchasing information. All other required materials/retail supplies not available at the bookstore need to be purchased elsewhere. **Required materials/supplies that have an asterisk (*) before their name need to be obtained prior to the start of the program.***

Grading System:

- A 90 - 100%
- B 80 - 89%
- C 70 - 79%
- D 60 - 69%
- F 0 - 59%
- I Incomplete

Additional Program Specific Grading Information:

Grades are comprised of Classwork, Quizzes, Exam, Employability Skills, Lab works and Projects all weighted on a point scale system weighted equally.

Grades will be posted weekly.

View Your Grades:

Grades can be viewed online by following the directions below:

1. Go to <https://browardfocus.com> (access FOCUS using Chrome, Firefox or Safari)
2. Student ID which is on your student schedule.
3. Passcode: Student's date of birth formatted as PMM/DD/YYYY.
Two digits for the month, two digits for the day and Four digits for the year.

See Class Management Plan for Classroom / Lab rules and Positive Intervention Policy

- Must be on time for class and when coming back from lunch.
- All electronic devices must be silent and out of sight during instructional time. This includes cell phones, earbuds, smartwatches, headphones, mp3 players, etc. The school and/or teacher are not responsible for lost or stolen devices/personal belongings of any kind.
- Computer use must be according to Broward County School policy.
- Safety glasses and closed toe shoes are to be worn at all times.
- Always respect your fellow classmates and Instructor.
- Adhere to all Broward County School Policies.

Industry Certifications & Credential Exam Costs:

Occupational Safety and Health Administration (OSHA)
10 Hour Construction Safety Outreach Course - \$40

NCCER Plumbing \$\$

You may qualify for certification reimbursement of your exam cost(s) upon passing. Credential fees are subject to change.

Outstanding Student Recognition Information:

A gold seal will be applied to a Program Completion Certificate or an Applied Technology Diploma if the student has earned a 3.5 GPA or higher in their Career and Technical Education (CTE) classes.

Accommodations:

Federal and state legislation requires the provision of accommodations for students with disabilities as identified on the secondary student’s IEP or 504 plan or postsecondary student’s accommodations plan to meet individual needs and ensure equal access. Postsecondary students with disabilities must self-identify, present documentation, request accommodation if needed, and develop a plan with their postsecondary service provider. The accommodation received in postsecondary education may differ from those received in secondary education.

Accommodation changes the way the student is instructed. Students with disabilities may need accommodation in such areas as instructional methods and materials, assignments and assessments, time demands and schedules, learning environment, assistive technology and special communication systems. Documentation of the accommodation requested and provided should be maintained in a confidential file.

In addition to accommodation, some secondary students with disabilities (ESE) will need modifications to meet their special needs.

- Modifications change the outcomes or what the student is expected to learn, e.g., modifying the curriculum of a secondary career and technical education course.
Note: Postsecondary curriculum cannot be modified.
- Some secondary students with disabilities (ESE) may need additional time (i.e., longer than the regular school year), to master the student performance standards associated with a regular occupational completion point (OCP) or a modified occupational completion point (MOCP).
- If needed, a student may enroll in the same career and technical course more than once. Documentation should be included in the IEP that clearly indicates that it is anticipated that the student may need an additional year to complete an OCP/MOCP.
- The student should work on different competencies and new applications of competencies each year toward completion of the OCP(s)/MOCP. After achieving the competencies identified for the year, the student earns credit for the course.

- It is important to ensure that credits earned by students are reported accurately. The district's information system must be designed to accept multiple credits for the same course number (for eligible students with disabilities).

Program Name: Plumbing

Course Number: BCV0508

Course Name: P l u m b i n g H e l p e r

Occupational Completion Point: A

Intended Outcomes:

- 01.0 Describe career and training opportunities in the pipe trade industry.
- 02.0 Demonstrate a basic knowledge of the pipe trade industry.
- 03.0 Identify the use and care of basic tools in the pipe trade industry.
- 04.0 Demonstrate the importance of health, safety and environmental management systems in organizations and their importance to organizational performance and regulatory compliance.
- 05.0 Demonstrate basic mathematics knowledge and skills.
- 06.0 Demonstrate science knowledge and skills.
- 07.0 Read and interpret construction documents.
- 08.0 Read and interpret current pipe trade codes.

Course Number: BCV0540

Course Name: R e s i d e n t i a l P l u m b e r

Occupational Completion Point: B

Intended Outcomes:

- 09.0 Demonstrate knowledge of basic plumbing skills.
- 10.0 Cut and join pipes.
- 11.0 Demonstrate knowledge of plumbing codes.
- 12.0 Read and interpret construction documents and specifications.
- 13.0 Layout and coordinate a job.
- 14.0 Layout and install, or *Optionally* discuss and simulate, the installation of the first rough (underground).
- 15.0 Layout and install, or *Optionally* discuss and simulate, the installation of the second rough (first floor & above).
- 16.0 Layout and install or *Optionally*, discuss and simulate trim out plumbing.
- 17.0 Explain the importance of employability and entrepreneurship skills.

Course Number: BCV0562

Course Name: C o m m e r c i a l P l u m b e r

Occupational Completion Point: C

Intended Outcomes:

- 18.0 Discuss and simulate the installation of water heating and circulating systems.
- 19.0 Discuss and simulate the installation of interceptors and separators.
- 20.0 Discuss and simulate the installation of a storm drainage system.
- 21.0 Explain the principles of backflow cross and connection control.

Course Number: BCV0596

Course Name: Plumbing Application

Occupational Completion Point: D

Intended Outcomes:

- 22.0 Explain the process of installing a medical gas system. (Optional)
- 23.0 Explain how Liquid Propane Gas (LPG) and natural gas systems work.
- 24.0 Repair, service and maintain plumbing systems.
- 25.0 Explain how to connect residential plumbing to a municipal sewer lateral. (Optional)
- 26.0 Apply plumbing applications to swimming pools and spas. (Optional)
- 27.0 Identify solar systems and their components. (Optional)
- 28.0 Adapt a solar system design. (Optional)

The School Board of Broward County, Florida, prohibits any policy or procedure which results in discrimination on the basis of age, color, disability, gender identity, gender expression, national origin, marital status, race, religion, sex or sexual orientation. Individuals who wish to file a discrimination and/or harassment complaint may call the Director, Equal Education Opportunities/ADA Compliance Department at 754-321-2150 or Teletype Machine (TTY) 754-321-2158. Individuals with disabilities requesting accommodations under the Americans with Disabilities Act Amendments Act of 2008, (ADAAA) may call Equal Educational Opportunities/ADA Compliance Department at 754-321-2150 or Teletype Machine (TTY) 754-321-2158.