



Atlantic Technical College

Carpentry

Program Syllabus

2023-2024



Instructor Name: Mr. Anthony D. Minimi Department Name: Architecture & Construction Office/Classroom Location: Building 14, Room 245 Phone Number: 754-321-5127 Email Address: anthony.minimi@browardschools.com	<u>Instructor Office Hours (M-F):</u> 1:50 PM to 3:50 PM (By appointment only)
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Student Hours: Monday – Friday 7:05am to 10:05am (Adults & High School 11 Graders) Lunch: 10:05am to 10:50pm 10:50am to 1:50pm (Adults & High School 12 Graders) <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>	Program Name: Carpentry Career Cluster: Architecture and Construction																		
	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 10%;"><u>OCP</u></th> <th style="width: 60%;"><u>Course Names</u></th> <th style="width: 30%;"><u>Course Length</u></th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">A</td> <td>BCV0112 / Introduction to Carpentry</td> <td style="text-align: center;">150 Hours</td> </tr> <tr> <td style="text-align: center;">B</td> <td>BCV0122 / Rough Framing Carpentry</td> <td style="text-align: center;">450 Hours</td> </tr> <tr> <td style="text-align: center;">C</td> <td>BCV0122 / Finish Trim Carpentry</td> <td style="text-align: center;">450 Hours</td> </tr> <tr> <td style="text-align: center;">D</td> <td>BCV0123 / Foundation and Form Carpentry</td> <td style="text-align: center;"><u>150 Hours</u></td> </tr> <tr> <td colspan="2"></td> <td style="text-align: center;"> 1200 Total Hours <i>(Full-time including summer)</i> </td> </tr> </tbody> </table>	<u>OCP</u>	<u>Course Names</u>	<u>Course Length</u>	A	BCV0112 / Introduction to Carpentry	150 Hours	B	BCV0122 / Rough Framing Carpentry	450 Hours	C	BCV0122 / Finish Trim Carpentry	450 Hours	D	BCV0123 / Foundation and Form Carpentry	<u>150 Hours</u>			1200 Total Hours <i>(Full-time including summer)</i>
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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 Tools/Supplies:

*** HS Required**

- Short Sleeve shirts (no tank tops) *
- Long Heavy Pants “Blue Jeans” (no shorts) *
- Safety Glasses OSHA approved Z# Listed *
- Work Boots, sturdy thick souled, Steel Toed *
- Tool Belt (16 pocket minimum with Belt)
- Hard Hat (OSHA or ANSI Approved)
- Level 3 cut resistant Work Gloves
- Hand Saws (8 Pts and 12 Pts Crosscut saw and 6 Point Rip Saw)
- Straight Claw Hammer, 16 or 20 ounces
- Small Toolbox Estimate size: 24” Long
- Ear Protection (Ear plugs or Solid Ear Headphone Set, NO music)
- 25' Steel Measuring Tape, 1” Wide Tape
- Utility Knife with Standard Razor Blades: Retractable Blade only
- 10 Carpenter Pencils (with Pencil Sharpener)
- Multi Tip Screwdriver (#1 & #2 Flat & Phillips)
- Wrecking Bar (Minimum 24” Long)
- Pinch Bar (Minimum 16” Long)
- Cat’s Paw (Sharp Pocket Size)
- 3 Piece nail set
- Compact Chalk Box and Blue Chalk combo kit
- 24” & 48” Magnetic Level
- Small Torpedo Level (6” to 12” Long)
- Wood File Set (Minimum 3 Piece Set)
- Speed Square (SWANSON Tool Company Inc. Brand)

Required Materials/Supplies: Including HS

- 1 Mechanical pencil*
- 1 Pack Lead*
- 6 Pencils *
- 6 Pens Black, Blue & Red*
- 1 Pack Colored Pencils 24 Colors*
- 4 Highlighters 4 Colors*
- 2 Erasers, large pink or white erasers only*
- 1 Calculator W/Sine, Cosine, Tangent, Square Root*
- 1 USB Drive (16 Gig minimum) *
- **1 Three Ring Binder (2”) (Must Purchase in Bookstore only) ***
- **1 Three Ring Binder 15 Tabs (Must Purchase in Bookstore only) ***
- 1 Good Quality Protractor
- 1 Good Quality Compass
- 1 Lock with “Dial” Combination only, NO keys*
- 1 Architectural Scale Rule (Triangular Shaped) *

Program Projects: Included but are not limited to:

1. Performance Module Projects
2. Class/Lab Projects
3. Safety Projects
4. School Projects, both on and off campus projects.
5. Specialty Projects

All Projects have a timeline and are graded.

Access Codes: NCCER:

Core Curriculum -

ISBN# **978-0-13-423592-9**

Carpentry Level 1 -

ISBN# **978-0-13-420508-3**

Carpentry Level 2 -

ISBN# **978-0-13-442808-6**

Carpentry Level 3 -

ISBN# **978-0-13-442809-3**

Additional Online Exercises

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 Scale / System:

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

Additional Program Specific Grading Information:

<u>Grading Categories</u>	
Participation	25%
Assignments	25%
Projects / Lab Work	25%
NCCER Curriculum	25%

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.

Classroom/ Lab Rules / Employability Skills:

- Cell Phones Must be Locked up upon arrival, **Before Signing-In to Class** and only retrieved on departure for lunch and then at the end of the day.
- All Electronic Devices Must be Locked up upon arrival as well, only retrieved on departure for lunch and then at the end of the day. 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.
- Must Wear long heavy pants like Long "Blue Jeans", no shorts, no leggings or thin material clothes etc.
- Must Wear short or long-sleeved shirts, no Tank Tops or Strapped Tops etc.
- Must Wear Safety Glasses OSHA approve Z# Listed
- Must Wear Work Boots to Class not stored in Locker (sturdy thick soled, ankle high or higher) (Steel Toed Optional)
- Enter the Classroom quietly and in a professional manner, before the tardy bell rings, sign in, be ready and prepared by having everything you need to work in the classroom, in the shop / lab and or outside, each single day.
- If you are Tardy, make sure you have a pass or excused notice first before entering the classroom, give the pass to the instructor, sign in and start to do the current daily work assignments.
- Students are required to always adhere to the Code of Conduct, as set forth by the School Administration and the Student Handbook.
- Good manners are necessary for a pleasant classroom environment. Please raise your hand to be recognized. Do not speak when someone else is speaking. Rudeness, bullying or disruptive behavior will NOT be tolerated.
- Be Respectful to the Teacher and all your fellow classmates.
- Be polite, courteous, well mannered, considerate, and thoughtful, by treating others the way all of us want to be treated.
- Students are responsible to keep their personal belongings in the classroom only, not lab.
- Always Follow the Shop Safety Rules as posted.
- Always Follow the Safety Rules for Each Hand Tool, Power Tool, and every piece of Equipment.
- Students are expected to always maintain a clean and neat work area.
- Keeping all tools in their place after use.
- No eating or drinking in the Classroom, Shop / Lab, or Outside during Class Time, including water, chewing gum, candy, snacks etc. Eat and Drink in the Cafeteria, not in the classroom and or lab.
- Computer use is a privilege and should only be used for researching construction-related information and to complete required assignments / classwork etc. and only by prior permission of the instructor.
- Log off, turn off monitor and recharge laptop computer back into Laptop Cart.
- Students must notify teacher, in advance, if planning to miss a portion of class time(s) for ANY reason.
- Students shall familiarize themselves and adhere to all safety procedures as noted in the Classroom Safety Manuals and Safety Posters etc.
- If you need to make a call or text, please ask for permission to be excused from class to take care of your personal business outside of the Classroom / Lab.
- The Teacher will dismiss the Class at the appropriate time.
- Rules that are not followed will be referred to Administration.

<p>Industry Credentials: <u>NCCER Certifications:</u></p> <ul style="list-style-type: none"> ▪ Core ▪ Carpentry Level 1 ▪ Carpentry Level 2 ▪ Carpentry Level 3 & 4 Optional ▪ State of Florida Ready to Work Credential Exam ▪ Occupational Safety & Health Administration (OSHA) 10 Hour Course - \$35 (No Expiration) 	<p>Outstanding Student Recognition Information:</p> <p>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.</p>
<p>Program Name: Carpentry</p>	
<p>Course Number: BCV0112 Course Name: Introduction to Carpentry Occupational Completion Point: A Intended Outcomes:</p> <ul style="list-style-type: none"> 01.0 Apply shop and construction site safety skills. 02.0 Select, use, and maintain hand tools, power tools and stationary equipment. 03.0 Apply mathematics knowledge to assist in constructing buildings, structures, and various construction and woodworking related projects. 04.0 Read, understand, and create basic construction and shop drawings and/or sketches. 05.0 Select and recommend appropriate building materials for building and woodworking projects. 06.0 Select and use appropriate fasteners and hardware for specific construction and woodworking applications. 07.0 Set up and install basic rigging and scaffolding. 08.0 Identify ways that sustainable design and construction strategies impact the built environment (Optional). 09.0 Explain the importance of employability and entrepreneurship skills (Optional). 	
<p>Course Number: BCV0122 Course Name: Rough Framing Carpentry Occupational Completion Point: B Intended Outcomes:</p> <ul style="list-style-type: none"> 10.0 Perform site-preparation and building layout activities. 11.0 Understand how to layout and/or construct a building foundation. 12.0 Layout, cut and install framing members for a floor system (wood and/or metal). 13.0 Layout, cut and install a wall framing system (wood and/or metal). 14.0 Comply with current hurricane building codes. 15.0 Layout, cut and install a wood frame roof system. 16.0 Frame walls using cold-formed steel (Optional). 17.0 Lay out, cut and rough frame a stair system. 18.0 Identify, select, and install various roofing materials for building structures. 19.0 Identify and apply appropriate thermal boundary, moisture protection and water management systems. Install windows and exterior doors. 	

Course Number: BCV0125

Course Name: Finish Trim Carpentry

Occupational Completion Point: C

Intended Outcomes:

21.0 Install gypsum drywall.

22.0 Identify and fasten wood stock and joints.

23.0 Install cabinets and components.

24.0 Identify, interpret, and describe types of interior and exterior door types, hardware and assembly component requirements, and installation techniques based on plans and specifications.

25.0 Install interior trim and other finishes based on construction drawings, details, and specifications.

26.0 Identify and install various types of interior wall and ceiling finish materials.

27.0 Layout, cut and finish a stair system.

28.0 Select and install exterior finishes.

Course Number: BCV0123

Course Name: Foundation and Form Carpentry

Occupational Completion Point: D

Intended Outcomes:

29.0 Demonstrate building site layout to excavate for footings and foundations, and optionally, trenching for utilities.

30.0 Erect, plumb and brace simple concrete forms with reinforcement.

31.0 Explain or identify various foundation forms.

32.0 Demonstrate an understanding of vertical concrete formwork.

33.0 Demonstrate an understanding of constructing horizontal formwork.

34.0 Explain and demonstrate how to place reinforcing bars in walls, columns, beams, girders, joists, and slabs.

35.0 Discuss the transport and placement of concrete.

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.