



Atlantic Technical College

Carpentry Program Syllabus 2017-2018



Instructor Name: Anthony Minimi Department Name: Technical Trades Department 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>BCV0107 / Carpenter Helper</td> <td style="text-align: center;">300 Hours</td> </tr> <tr> <td style="text-align: center;">B</td> <td>BCV0111 / Trim And Finish Carpenter</td> <td style="text-align: center;">300 Hours</td> </tr> <tr> <td style="text-align: center;">C</td> <td>BCV0122 / Carpenter, Rough</td> <td style="text-align: center;">450 Hours</td> </tr> <tr> <td style="text-align: center;">D</td> <td>BCV0128 / Carpenter</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 (full time including summer)</td> </tr> </tbody> </table>	<u>OCP</u>	<u>Course Names</u>	<u>Course Length</u>	A	BCV0107 / Carpenter Helper	300 Hours	B	BCV0111 / Trim And Finish Carpenter	300 Hours	C	BCV0122 / Carpenter, Rough	450 Hours	D	BCV0128 / Carpenter	<u>150 Hours</u>			1200 Total Hours (full time including summer)
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<p><u>Technical College Policy/Adult Student Attendance:</u></p> <ul style="list-style-type: none"> A student must be withdrawn after being absent for six (6) consecutive days. Two (2) additional absences may be allowed under certain circumstance with appropriate documentation. Please refer to the Broward Technical College Student Handbook for postsecondary students. http://www.atlantictechnicalcollege.edu/atc-student-handbook/ <p><u>Magnet High School/Attendance Policy:</u></p> <ul style="list-style-type: none"> 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.

<p><u>Required Tools/Supplies:</u></p> <ul style="list-style-type: none"> • Tool Belt (16 pocket minimum with Belt) • Hard Hat (OSHA or ANSI Approved) • Safety Glasses OSHA approved Z# Listed • Level 3 cut resistant Work Gloves • Straight Claw Hammer, 16 or 20 ounce • Small Tool Box • Ear Protection (Ear plugs or Solid Ear Head Phone Set, <u>NOT the for listening to Music type</u>) • 25' Steel Measuring Tape • Utility Knife with Standard Razor Blades • Multi Tip Screw Driver (#1&#2 Flat & Phillips Tip) • 3 Piece nail set • Compact Chalk Box and Blue Chalk combo kit • Small Torpedo Level (6" to 12" Long) • Work Boots, sturdy thick souled, Steel Toed 	<p><u>Required Materials/Supplies:</u></p> <ul style="list-style-type: none"> • 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) • 1 Three Ring Binder (3" Rings only) • 1 Protractor • 1 Lock with "Dial" Combination only, NO keys • 1 Architectural Scale Rule (Triangular Shaped) • 1 Engineer Scale Rule (Triangular Shaped) 																										
<p><u>Required Books:</u> <u>NCCER:</u> Core Curriculum - Hard Cover 5th edition ISBN# <u>9780134131436</u> Carpentry Level 1 - Hard Cover 5th edition ISBN# <u>9780133403800</u> Carpentry Framing & Finish Level 2 - Hard Cover 5th edition ISBN# <u>9780133404654</u></p>																											
<p><i>ADULT STUDENTS:</i> 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.</p> <p><i>HIGH SCHOOL STUDENTS:</i> 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 of 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 by prior to the start of the program.</p>																											
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Online Course Grading Policy:

Not Applicable

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 YYYYMMDD.
Four digits for the year, two digits for the month and two digits for the day.

Class Room/ Lab Rules / Employability Skills:

- Enter the Classroom quietly and in a professional manner, before 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 and every 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 adhere to the Code of Conduct at all times, 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 of 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 with them at all times.
- 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.
- No Electronic devices in display or in use during class, shop, lab or outside during class time.
- Electronic devices in display or in use (no charging) will be confiscated for Parent / guardian pickup.
- All electronic devices must be silent and out of sight during instructional time. This includes cell phones, headphones, mp3 players, etc. The school and/or teacher are not responsible for lost or stolen devices/personal belongings of any kind.
- 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 of computer & turn off monitor before leaving class each day (except on Thursdays, when updates occur).
- 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.

<p>Industry Credentials: <u>NCCER Certifications:</u></p> <ul style="list-style-type: none"> ▪ Core ▪ Carpentry Level 1 ▪ Carpentry Level 2 Framing and Finish ▪ State of Florida Ready to Work Credential Exam ▪ Occupational Safety & Health Administration (OSHA) 10 Hour Card (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>
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Program Name: Carpentry

Course Number: BCV0107
Course Name: Carpenter Helper
Occupational Completion Point: A
Intended Outcomes:

- 01.0 Apply shop safety skills.
- 02.0 Utilize manual and power tools relevant to the carpentry profession.
- 03.0 Demonstrate mathematics knowledge and skills relevant to the carpentry field.
- 04.0 Create basic construction drawings and/or sketches.
- 05.0 Recommend appropriate building materials for specific scenarios.
- 06.0 Select appropriate fasteners and hardware for specific scenarios.
- 07.0 Apply occupational safety skills.
- 08.0 Select and use hand and power tools relevant to the carpentry profession.
- 09.0 Fasten stock and joints.
- 10.0 Read and design construction documents.
- 11.0 Install cabinets and components.
- 12.0 Investigate sustainability issues related to the carpentry professions.

Course Number: BCV0111
Course Name: Trim And Finish Carpenter
Occupational Completion Point: B
Intended Outcomes:

- 13.0 Identify and describe interior and exterior doors (wood and/or metal).
- 14.0 Install trim and finish carpentry using plans and specifications.
- 15.0 Cut and install framing members for a floor (wood and/or metal).
- 16.0 Cut and install a wall and partition framing (wood and/or metal).
- 17.0 Install an interior wall and ceiling materials.
- 18.0 Lay out and construct an interior-stair system.
- 19.0 Comply with hurricane codes.
- 20.0 Frame a roof.
- 21.0 Apply roofing applications.
- 22.0 Apply thermal and moisture protection.
- 23.0 Frame walls using cold-formed steel.
- 24.0 Perform site-preparation and layout activities.
- 25.0 Explain the importance of employability and entrepreneurship skills.

Course Number: BCV0122

Course Name: Carpenter, Rough

Occupational Completion Point: C

Intended Outcomes:

- 26.0 Perform concrete tests.
- 27.0 Lay foundations.
- 28.0 Construct vertical formwork.
- 29.0 Construct horizontal formwork.
- 30.0 Erect and properly align tilt-up wall panels.
- 31.0 Install drywall.
- 32.0 Install a suspended ceiling.
- 33.0 Interpret door and door hardware requirements based on plans and specifications.
- 34.0 Install windows and exterior doors.
- 35.0 Apply interior trim.
- 36.0 Lay out and construct an exterior stair system.
- 37.0 Apply exterior finishing.
- 38.0 Set up and install basic rigging and scaffolding.
- 39.0 Erect, plumb and brace a simple concrete form with reinforcement.
- 40.0 Explain and demonstrate how to place reinforcing bars in walls, columns, beams, girders, joists and slabs.
- 41.0 Explain the transport and placement of concrete.
- 42.0 Demonstrate an understanding of trenching and excavation.

Course Number: BCV0128

Course Name: Carpenter

Occupational Completion Point: D

Intended Outcomes:

- 43.0 Identify structural timber.
- 44.0 Use plans and specifications for form carpentry.
- 45.0 Explain or identify various forms.

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.