

# CONSTRUCTION TECHNOLOGY

Biloxi Public Schools

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1845 Tribe Drive  
Biloxi, MS 39532  
www.biloxischools.net

Career Technology Center

**COURSE TITLE:** Construction Core (Construction Technology – Year 1)

**DEPARTMENT:** Construction Trades

**INSTRUCTOR:** Mr. Moore

**PREREQUISITES:** No previous construction experience required.

## **PATHWAY DESCRIPTION:**

The Construction Core instructional program provides a foundation of knowledge to prepare students for employment or continued education in several occupations related to the construction industry. The curriculum framework for this program was developed in partnership with the Mississippi Construction Education Foundation (MCEF). MCEF is the accredited sponsor for the National Center for Construction Education and Research (NCCER). When developing this curriculum, the authors recognized the importance of incorporating differentiated instruction and the needs of the 21st-century learners. Therefore, teaching strategies include a blend of online and face-to-face instruction that aligns with NCCER Connect e-books, online lectures, video presentations, online quizzes, active figures, and Spanish content. Students will have access to this information to learn new content, as well as to review, reinforce, and revise their work.

## **INDUSTRY CERTIFICATION**

National Center for Construction Education and Research “NCCER” Learning Series

## **STUDENT PREREQUISITES**

In order for students to be successful in the construction program, the following student prerequisites are in place:

1. C or higher in English (the previous year)
2. C or higher in math (last course taken or the instructor can specify the math)
- or**
3. Instructor approval and TABE Reading Score (eighth grade or higher)
- or**
4. Instructor approval

## **COURSE OUTLINE**

### **Course Description: Safety and Orientation to Construction (Course Code: 993102)**

Safety and Orientation to Construction includes an introduction to the field, as well as fundamentals of construction safety, tools, math, and blueprint reading and basic carpentry, electrical, masonry, and plumbing skills.

### **Course Description: Introduction to Construction (Course Code: 993103)**

Introduction to Construction emphasizes an overview of construction-related trades, such as carpentry, electrical wiring, masonry, and plumbing. This course gives students' real-world, hands-on practice in these areas. This course should be taken only after students successfully pass Safety and Orientation to Construction.

### **Safety and Orientation to Construction (Course Code: 993102)**

<b>Unit</b>	<b>Title</b>	<b>Hours</b>
1	Orientation	4
2	Employability Skills	10
3	Fundamentals of Student Organizations	10
4	Communication Skills	8
5	Basic Safety	15
6	Introduction to Construction Math	15
7	Hand and Power Tools	20
8	Introduction to Construction Drawings	15
9	Introduction to Materials Handling	7
Total		104

### **Introduction to Construction (Course Code: 993103)**

<b>Unit</b>	<b>Title</b>	<b>Hours</b>
10	Introduction to Carpentry	32
11	Introduction to Electrical Wiring	30
12	Introduction to Masonry	30
13	Introduction to Plumbing	14
Total		106

## **TEXTBOOKS/MATERIALS:**

**Required Textbook:** Core Curriculum: Introductory Craft Skills  
Carpentry: Level 1

**Required Materials:** 1. Notebook, paper, and pencil for class lectures and assignments.  
2. Calculator

## **INSTRUCTOR CONTACT INFORMATION:**

Mr. Moore: phone: (228) 435-6318 email: [patrick.moore@biloxischools.net](mailto:patrick.moore@biloxischools.net)

## **INSTRUCTIONS FOR ADDITIONAL HELP:**

Should a student need additional help with projects, they should contact their instructor so that a time can be set aside for assistance.

## **COURSE ASSIGNMENTS AND PROJECTS:**

Course assignments and projects will be assigned throughout the course. Assignments are to be turned in to your instructor at the specified date and time. Any assignments or projects not turned in at the specified date and time will be dropped a letter grade per class meeting day following the due date. Any assignments or projects not turned in within five class meetings of the due date will receive a grade of "ZERO".

BOC—Beginning of Class  
EOC—End of Class

## **GRADING SCALE:**

A = 90 – 100  
B = 80 – 89  
C = 70 – 79  
D = 69 – 65  
F = 0 – 64

## **PERCENTAGES:**

10% - Exams  
55% - Activities - Worksheets, Quizzes, Daily Activities, etc.  
35% - Test and Shop Projects  
100% - Total

## **TESTING:**

Students must pass their Safety Test with 100% accuracy to be allowed into the shop to work on projects. NCCER standards require students pass each module assessment "Test" with a grade of 70% or higher to receive certification for that module. Tests will be scheduled throughout the school year. All testing dates and times will be announced by your instructor during lecture. Students that miss a scheduled test are responsible for contacting their instructor to schedule a date and time to make up the test. Make-up test shall be taken within three school days from the date the student returns to class.

## **NCCER CERTIFICATION:**

NCCER standards require students pass each module assessment "Test" with a grade of 70% or higher to receive certification for that module. To obtain NCCER certification of the Core Curriculum, students must pass the end of the year certification exam with a grade of 70% or higher. Students must successfully pass the year 1 NCCER certification exam of the Core Curriculum with a grade of 70% or higher be eligible to take year 2 of Construction Technology.

## **RETEACH/ RETEST:**

As per District policy.

## **CHEATING:**

Any student caught cheating on an assignment or test shall receive a "ZERO" on that assignment. Any student caught with a cell phone during a test will receive a zero for that test.

\*\*\*If an assignment is copied in any form or fashion, the person doing the copying and the person being copied from shall receive a "ZERO" for that assignment.... **PROTECT YOUR WORK!!!!**

## **CELL PHONES:**

Cell phones are **NOT** allowed in the classroom or shop.