

>> Course Overview

The Building Maintenance Technology course will focus on all aspects of the construction industry from health and safety to the tools that every construction professional needs in their collection. Students will learn about the various roles in the industry as well as job outlooks, educational and experiential requirements, and salary information. Some activities will focus on career exploration to discover career options that best align with interests and talents. Students will learn basic construction math and how it is applied during design and building phases of projects. They will learn specifics about carpentry, construction drawings, framing floor systems, framing walls, and framing roofs. Throughout, they will establish a foundation for what opportunities exist for them in the industry.

>> Course Outline by Module

Module 1	Health, Safety, & Environmental Management Systems
Module 2	The Construction Industry Part I
Module 3	The Construction Industry Part II
Module 4	Basic Hand and Power Tools
Module 5	Construction Math Part I
Module 6	Construction Math Part II
Module 7	Carpentry
Module 8	Construction Drawings
Module 9	Framing Floor Systems Part I
Module 10	Framing Floor Systems Part II
Module 11	Framing Walls and Ceilings Part I
Module 12	Framing Walls and Ceilings Part II
Module 13	Framing a Roof

>> Course Elements

-  Video Instruction
-  Interactives
-  Reading
-  Projects
-  Reflections
-  Concept Checks
-  Quizzes and Exams
-  Written Assignments



>> Instructional Components

Pointful Education Courses are structured in a consistent, research-based format utilizing multiple pedagogical concepts such as Understanding by Design, Growth Mindset, and Video and Project-based learning. Through the use of these pedagogical concepts, Pointful Education maintains a consistent and engaging course structure that supports student-centered learning.

>> Course Materials

None Required.