BUILDING MAINTENANCE TECHNOLOGY II
Course Outline

POINTFUL EDUCATION

›› Course Overview

The Building Maintenance Technology II course examines the multi-faceted construction industry. Students will explore contract documents and how each is pertinent to establishing business relationships with designers, clients, and other stakeholders. They will identify what goes into building a successful contract and how estimates, costs, and timeframes are estimated and calculated. Drafting techniques using CAD and BIM technology will also be discussed, specifically pertaining to how these technologies have transformed the building industry. Several logistical components like zoning, property lines, property setbacks, site elevations, calculating materials and labor costs, and establishing construction schedules are critical to the building process. Students will discover the impact of the built environment on the natural environment and how it has evolved over many years. Finally, students will learn about issues related to sustainability and creating more environmentally-friendly practices, procurement, and techniques in the construction industry.

›› Course Outline by Module

Module 1	Construction Documents, Contracts, and Specifications
Module 2	Drafting and Federal Codes
Module 3	Project Costs and Scheduling Part I
Module 4	Project Costs and Scheduling Part II
Module 5	The Built Environment Part I
Module 6	The Built Environment Part II
Module 7	Sustainability Issues
Module 8	Construction Projects

›› Course Elements

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

Course Preview Video

›› 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.