

Bentley Building Suite (3D) and Bentley Building Mechanical Systems Fundamentals V8i

Products Covered: Bentley Building Mechanical System V8i

Target Audience: Architectural Engineer; Design Engineer; Mechanical Engineer; Mechanical Engineering Designer; Plant Engineer; Process Engineer

Course Description:

This course is a combination of the "Bentley Building Suite & 3D Fundamentals" and "Bentley Building Mechanical Systems Fundamentals" course offerings.

The first part of this course is intended to provide the necessary skills needed before moving into Bentley Building Mechanical Systems. Topics covered will allow the user to rotate, manipulate and view models. Review a model and extract sections plans and elevations.

Bentley Building Mechanical Systems (BBMS) allows users and system administrators to customize the delivered data in BBMS, so that you can apply your own company standards, project standards or a combination of both. This course is not designed to show users how to create a network solution of BBMS.

After this course students will be able to:

Learning Objectives:

- view and manipulate a model
 - navigate within a 3D model
 - create and place three dimensional cells
 - understand the concept of Building Information Modeling
 - create and edit data in the Datagroup Definitions explorer
 - use Drawing composition, Dynamic Views and drawing extraction
 - place Diffuser and ductwork
 - manipulate and modify mechanical elements
 - create families, parts and reports
 - customize by creating additional cells
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Course Topics:

- Viewing and manipulating a model
 - Navigating within a 3D model
 - Creating and placing three dimensional cells
 - Understanding the concept of Building Information Modeling
 - Creating and editing data in the Datagroup Definitions explorer
 - Using Drawing composition, Dynamic Views and drawing extraction
 - Create a structural model using Bentley Structural
 - Produce bills of quantities, cost reports and specifications
 - Export the data to other packages for analysis such as MIDAS, RAM and STAAD
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Course Prerequisites:

Course Details:

- A fundamental knowledge of MicroStation
 - An understanding of Structural design
 - Use of AccuDraw and its keyboard shortcuts
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Learning Units: 20

Display LUs in: hours