

## Autodesk Navisworks – Essentials

Autodesk Navisworks enables designers and construction managers to unite CAD and BIM data within a single model for virtual design and construction tasks, including clash detection, 4D planning and analysis, and creating animated visualizations that show construction phasing.

After completing this course, students will be able to confidently use the Navisworks Clash Detective, TimeLiner, Animator, Scripter, and Presenter tools to create, analyze, and animate models for coordinating designs across a variety of disciplines.

### Who should attend?

This is an intermediate-level course for architects, engineers, and construction managers who are new Navisworks users.

### Prerequisites

Working knowledge of either building information modeling (BIM) or model-based design is recommended. Prior experience using any type of scheduling software is also recommended. Students should also have a working knowledge of the Microsoft Windows environment.

### Questions?

Please call us at 800-336-3375.

### Course Outline

#### Understanding the Navisworks Environment

- Managing Files & Working with Data Tools
- Managing Objects & Viewpoints
- Adding Comments & Redlining
- Real-Time Rendering

#### Model Organization

- Using the Search Function
- Creating Sets & Search Sets

#### Creating Tasks & Simulations with TimeLiner

- Working with Animator
- Understanding Cameras & Camera Viewpoints
- Working with Section Plane Sets
- Controlling Animation Playback
- Working with Scripter
- Creating & Managing Scripts
- Working with Events and Actions

## Autodesk Navisworks – Essentials [CONTINUED]

---

### **Working with Clash Detection**

- Intro to Clash Detective
- Setting up Clash Tests
- Working with Clash Results & Reporting Tools

### **Creating Quantifications**

- Working with Quantifications
- Setting up Items & Resources
- Printing 2D Sheets

### **Working with Presenter**

- Managing Materials & Lighting
- Working with Background Effects
- Rendering Locally & in Cloud