

REVIT® ELECTRICAL ESSENTIALS

ONLINE COURSE OUTLINE



Solutions Store



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Explore the foundation of using Revit for electrical design tasks. This course provides a solid grounding in leveraging Revit for accurate and coordinated electrical system design and documentation, covering topics like creating circuits, placing electrical fixtures, and generating panel schedules.

Course Length: 3 days

Getting Started

- Overview of interface
- Navigating, viewing
- Selection methods
- Managing view display

Electrical Modeling

- Adding light fixtures
- Adding electrical equipment
- Placing switches, junction boxes, and receptacles
- Understanding connectors
- Creating circuits
- Creating switch systems
- Panel schedules
- Wire connections in a circuit

Modifying Building Elements

- Changing element properties
- Move, copy, rotate, & align elements

Working with Architects & Engineers

- Starting a new project
- Linking Revit projects
- Monitoring changes in linked files

Creating Views of the Model

- Duplicating views
- Adding callouts
- Creating elevations
- Creating sections

Schedules and Annotation

- Creating quantity schedules
- Working with text & dimensions
- Adding tags

Construction Documents

- Creating legends
- Setting up sheets
- Controlling views on sheets

Details

- Creating model-based details
- Creating Drafting View-based details
- Spaces and Zones

Understanding Spaces

- Creating spaces
- Managing spaces
- Creating zones
- Color schemes
- Creating a zone legend

Modeling Conduit & Cable Tray

- Dynamic distance input
- Routing preferences
- Change type
- Reapply type
- Electrical Settings
- Limiting angles
- View Range and Underlay
- Fittings
- Modeling in 3D
- Drawing up a chase

Electrical Circuits

- Understanding systems
- Viewing systems
- Troubleshooting circuits
- Analyzing system

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