Revit for Electrical Design Professional Certification

Why Revit for Electrical Certifications ?

Autodesk Certified Professional in Revit for Electrical Design Certification demonstrates skills and knowledge in modeling for electrical systems, documentation, family creation, lighting analysis, and collaboration using Autodesk Revit. The relevant workflows, processes, and project objectives can be applied in various electrical design and engineering applications at architectural or MEP engineering firms.

Training Solutions:

√ Offline Classroom Instructor-Led Training in our labs or onsite Locations.

√ Virtual Instructor-Led Training Via Virtual Video Conferencing Tools.

Why Learners Prefer CLS as their Training Services provider ?

■ Premuim Training Services Accredited from Global Technology Vendors.

■ Best Rated Experts & Certified Trainers in Egypt.

■ Official Training Hours, Practice Labs, Hands-on Learning.

■ CLS Training Classrooms are designed with High Edge PCs and Training Facilities.

■ Return on Training Investment is Guaranteed to boost performance.

Revit for Electrical Design Course Outline :

Getting Started
- Course overview
- Get the software

See where you stand

Modeling for electrical design
- Lesson overview
- Add electrical equipment
- Add devices and lighting fixtures
- Create and edit circuits
- Create and edit switch systems
- Track circuits with the System Browser
- Add conduit and cable trays
- Add wires

Documentation for electrical design
- Lesson overview
- Work with view templates and visibility/graphic overrides
- Work with panel schedule templates
- Produce schedules
- Use miscellaneous view features
- Work with sheets, titleblocks, and revisions
- Work with view types
- Apply phasing
- Use tags
- Use keynotes, note blocks, and numbered lists

Families for electrical design
- Lesson overview
- Define MEP connectors
- Understand family types
- Understand family creation workflow
- Configure light sources
- Determine family category and part type
- Differentiate between family hosting types
- Configure element visibility settings
- Create annotation families and tags
- Define symbols and annotations in a family
- Use parameter types
- Distinguish between parameter disciplines and data types

Analysis for electrical design
- Lesson overview
- Perform load calculations
- Perform conceptual lighting analysis
- Configure electrical settings

Collaboration for electrical design
- Lesson overview
- Import and link files
- Manage linked files
- Understand worksharing concepts
- Export to different formats
- Check for interferences
- Use copy and monitor
- Use design options
- Transfer project standards

Overview:

- Get the practice and confidence you need for your certification exam. Review exam topics such as modeling, documentation, families, analysis, and collaboration. Solve challenges with a deep understanding of electrical equipment, lighting fixtures, conduit, and cable trays.
- Learn about family categories and types, phases, lighting analysis, schedules, worksharing, and more. Follow along with lessons, datasets, and exercises to practice and review the exam topics on your own. You can also test your knowledge by taking a practice test to prepare for the certification exam. It's all about practice and preparation.

Training:

- Work with electrical equipment, lighting fixtures, conduit, and cable trays.
- Create views and annotations, work with families, develop schedules, and perform analyses.
- Use workflows and processes such as worksharing, exporting and printing, and project maintenance and management.
- Review the topics covered on the Autodesk Certified Professional in Revit for Electrical Design exam.

Audience Profile :

Who should enroll
- The candidate will have demonstrated advanced modeling skills in Revit and will be knowledgeable in relevant workflows, processes, and project objectives. The candidate will have performed routine tasks involved in their job role with limited assistance from peers, product documentation, and support services.

Prerequisites:

- Demonstrate. general knowledge of electrical systems, their settings, and how they operate.
- Demonstrate advanced modeling skills, including creating and modifying systems, spaces, cable tray, and conduit.
- Perform basic family editing, including editing connectors, light sources, annotations, symbology,