

KOENIG SOLUTIONS • COURSE OUTLINE

Autodesk Professional in BIM Management for Building Design

Learn to plan, implement and govern BIM processes, from corporate standards and execution plans to collaboration, model coordination and data handover.

40 Hours

DURATION

5

MODULES

96

TOPICS

COURSE OVERVIEW

The course aims to equip participants with advanced BIM management knowledge and practical workflows required to plan, implement, and govern BIM processes in alignment with industry standards and successful completion of the Autodesk Certified Professional (ACP) in BIM Management for Building Design exam.

WHO THIS COURSE IS FOR

This course is intended for BIM Managers, BIM Coordinators, Digital Delivery Leads, and senior AEC professionals involved in managing BIM standards, collaboration, and data across multidisciplinary projects

It is also suitable for professionals preparing for the Autodesk Certified Professional (ACP) in BIM Management for Building Design certification

LEARNING OBJECTIVES

After completing this course, participants will be able to:

- Develop and implement BIM standards and BIM Execution Plans (BEPs) aligned with organizational goals, project requirements, and industry standards such as ISO 19650
- Manage collaboration and coordination workflows using Common Data Environments (CDE), model coordination, clash detection, and multidisciplinary data exchange
- Monitor and maintain model health, data quality, and compliance, ensuring accurate, consistent, and reliable project deliverables throughout the project lifecycle
- Demonstrate certification-ready BIM management expertise, enabling confident preparation for and successful completion of the Autodesk Certified Professional (ACP) in BIM Management for Building Design exam

TRAINING APPROACH

“The course comprises 40 hours of theory and practical labs and is divided into 5 comprehensive chapters. Each chapter will be followed by hands-on lab exercises to reinforce learning and gauge understanding of the topics covered.”

5 Modules, 96 Topics

01

Orientation & BIM Management Foundations

TOPICS

- Overview of ACP – BIM Management Certification
- Exam format, domains, and weightage
- Role of BIM Manager in project lifecycle
- Review of prerequisite skills and tools
- Introduction to BIM standards and global frameworks (ISO 19650 overview)

02

Corporate BIM Standards & Documentation

ESTABLISHING ORGANIZATIONAL BIM STANDARDS

- BIM maturity and standardization strategy
- Defining model health thresholds
- Researching and applying industry data standards

PROJECT & CONTENT TEMPLATE DEVELOPMENT

- Creating Autodesk Construction Cloud (ACC) project templates
- Developing multidisciplinary model templates
- Customizing content creation templates
- Supporting graphic standards
- View templates
- Annotation standards

BIM EXECUTION PLAN (BEP) – CORPORATE TEMPLATES

- BEP structure and purpose
- Risk management system templates
- Mobilization plan templates
- Information Delivery Plans
- TIDP, MIDP
- AIA / ConsensusDocs
- Defining project roles and responsibilities

DIGITAL TOOL EVALUATION & OPTIMIZATION

- Establishing a tool evaluation framework
- Evaluating add-ins, software, hardware, and AI tools
- Building a business case for technology adoption

CORPORATE QA/QC & BEST PRACTICES

- Defining QA/QC processes for milestone reviews
- Reviewing and updating BIM standards
- Conducting post-project BIM evaluations

TRAINING & LEARNING PATH DEVELOPMENT

- Assessing staff competencies
- Creating structured training programs
- Supporting BIM career pathways

03

Project Needs Assessment & BIM Planning

PROJECT REQUIREMENTS ANALYSIS

- Understanding client BIM requirements
- Identifying BIM goals, uses, milestones, and deliverables
- Tool ecosystem planning for project execution
- Assessing team capability and training needs

PROJECT-SPECIFIC BIM EXECUTION PLAN (BEP)

- Establishing project BIM goals and uses
- Defining project-specific templates and content
- Implementing risk management strategies
- Establishing information delivery plans
- BEP distribution and confirmation
- Defining Level of Development (LOD) / Level of Information Need

PROJECT INITIALIZATION & SETUP

- Establishing project datums
- Shared coordinates
- Levels and grids
- Assembling interdependent discipline models
- Implementing BIM processes
- Shared parameters
- Worksets
- Phases
- ACC folder structure and permissions
- Model coordination workflows
- Conducting project kickoff meetings

QUALITY CONTROL IMPLEMENTATION

- Model performance and health analysis
- Identifying improvement areas
- Checking model completeness and compliance

04

Collaboration Process & Model Coordination

COMMON DATA ENVIRONMENT (CDE) MANAGEMENT

- CDE principles and workflows
- Sharing BIM data with third parties
- Managing data security
- Implementing issue tracking systems

GEOLOCATION & COORDINATE MANAGEMENT

- Extending shared coordinates across disciplines
- Managing building location changes
- Resolving geolocation conflicts
- Unit mismatches
- Unintentional coordinate shifts

3D COORDINATION & CLASH MANAGEMENT

- Managing clash detection processes
- Using coordination and clash detection tools
- Creating focused clash reports and analytics
- Clash matrix and responsibility allocation

MULTI-MODEL & MULTI-DISCIPLINARY MANAGEMENT

- Assembling multi-building models
- Managing multidisciplinary linked models
- Mapping phases across linked models
- Implementing shared parameters across stakeholders

CONSULTANT & SUBCONTRACTOR DELIVERABLE REVIEW

- Validating QA standards
- Checking LOD / Level of Information Need compliance
- Evaluating geometry and content quality
- Enforcing standards compliance

Data Management & Model Health

STANDARDS-BASED MODEL CREATION

- Naming and numbering compliance
- ISO 19650
- Client and company standards
- Controlling output visibility
- Templates
- Filters
- Graphic overrides

MODEL AUDITING & ISSUE RESOLUTION

- Educating teams based on model issues
- Managing warnings and journal files
- Troubleshooting project files
- Corrupt families
- External references
- Visibility issues
- Periodic model health reviews
- Workset strategy
- Browser organization
- Layer and subdivision management
- Compliance validation with project and industry standards

PROJECT CLOSEOUT & DATA HANDOVER

- Archiving BIM project data
- Facilitating structured data handover
- Deliverables for client and facilities management

WHAT IS INCLUDED

Everything You Need to Succeed

- Koenig course material for every module
- Delivery by certified instructors and subject matter experts
- Hands-on exercises throughout the course
- Course completion certificate from Koenig

ABOUT KOENIG

Who We Are

Established in 1993, Koenig Solutions is a globally recognised training provider with 35+ technology partnerships, 5,000+ training programmes and a network of certified instructors and subject matter experts, supporting individuals and enterprise teams worldwide.

FLEXIBLE DELIVERY

Learn the Way That Suits You

Classroom Training

Live Online Classes (ILO)

Fly-Me-A-Trainer (FMAT)

Flexi (Self-Paced)

1-on-1 Training

Ready to Get Started?

Talk to a learning advisor about schedules, group training and customised delivery.

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