BIM Collaboration Using Autodesk Construction Cloud (ACC) Training Course

Professional Development Training Course Outline

Category	Construction Institute	**Duration**	5 Days
Base Fee	$1,500 USD	**Delivery Mode**	Online / On-site Hybrid

Course Introduction

BIM Collaboration Using Autodesk Construction Cloud (ACC) Training Course designed to equip professionals with advanced digital collaboration skills. As the Architecture, Engineering, and Construction (AEC) industry rapidly adopts Building Information Modeling (BIM), Common Data Environment (CDE), Digital Construction, ISO 19650 workflows, cloud collaboration, Digital Twins, AI-powered project management, and connected project delivery, organizations require professionals capable of managing multidisciplinary teams through a centralized cloud platform. This course provides practical knowledge of Autodesk Construction Cloud to streamline project coordination, document management, model sharing, issue tracking, clash resolution, workflow automation, and real-time collaboration across the entire project lifecycle.

Participants will gain hands-on experience implementing BIM Collaboration, Autodesk Docs, Model Coordination, Design Collaboration, Construction Management, RFI Management, Submittals, Cost Control, Digital Quality Management, Project Controls, Data Analytics, and BIM Execution Planning (BEP) using industry best practices. Through real-world case studies, interactive workshops, and project-based learning, attendees will develop the competencies required to improve project efficiency, minimize rework, enhance communication, ensure compliance with international BIM standards, and successfully deliver complex construction projects using Autodesk Construction Cloud.

Programme Curriculum

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5 days

Course Objectives

Upon completion of this course, participants will be able to:

1. Understand Autodesk Construction Cloud (ACC) architecture and digital construction ecosystem.
2. Implement BIM Collaboration workflows using cloud-based Common Data Environment (CDE).
3. Configure and manage Autodesk Docs for secure document control and version management.
4. Coordinate multidisciplinary BIM models using Model Coordination and automated clash detection.
5. Apply ISO 19650 BIM Information Management standards for collaborative project delivery.
6. Create and manage BIM Execution Plans (BEP) and digital project workflows.
7. Manage project communication using RFIs, Submittals, Issues, and Markups.
8. Optimize project delivery using Connected Construction and real-time collaboration tools.
9. Monitor project performance through ACC Dashboards, Reports, and Data Analytics.
10. Integrate BIM workflows with Autodesk Revit, Navisworks, Civil 3D, and AutoCAD.
11. Improve construction quality through Digital QA/QC and Field Collaboration processes.
12. Apply Lean Construction, Digital Transformation, and Project Controls using ACC.
13. Develop enterprise-level BIM collaboration strategies for large infrastructure and building projects.

Target Audience

1. BIM Managers
2. BIM Coordinators
3. Architects
4. Structural and MEP Engineers
5. Construction Project Managers
6. Quantity Surveyors and Cost Engineers
7. Contractors and Consultants
8. Facility Managers and Digital Asset Managers

Course Modules

Module 1: Introduction to Autodesk Construction Cloud

- Autodesk Construction Cloud platform overview
- Digital Construction and BIM ecosystem
- Common Data Environment (CDE)
- ACC licensing and project setup
- User roles and permissions
- **Case Study:** Setting up a cloud-based BIM project for a commercial office development.

Module 2: Autodesk Docs and Document Management

- Folder structures and permissions
- Document version control
- Review and approval workflows
- File sharing and collaboration
- Audit trails and compliance
- **Case Study:** Managing design documentation for a multi-disciplinary hospital project.

Module 3: BIM Collaboration and Design Collaboration

- Cloud worksharing
- Design package management
- Model publishing
- Team collaboration workflows
- Change visualization
- **Case Study:** Coordinating architecture, structural, and MEP teams on a mixed-use development.

Module 4: Model Coordination

- Model aggregation
- Automated clash detection
- Issue management
- Coordination spaces
- Model review workflows
- **Case Study:** Resolving MEP clashes in a high-rise residential tower.

Module 5: Construction Management

- RFI management
- Submittal workflows
- Meeting management
- Site issue tracking
- Quality and safety inspections
- **Case Study:** Digital construction management for an airport expansion project.

Module 6: Project Controls and Reporting

- Dashboards
- Custom reports
- KPI monitoring
- Project analytics
- Executive reporting
- **Case Study:** Monitoring construction progress using ACC dashboards for a smart city project.

Module 7: BIM Standards and Best Practices

- ISO 19650 implementation
- BIM Execution Plan (BEP)
- Information Delivery Planning
- Naming conventions
- Governance and compliance
- **Case Study:** Developing a BIM Execution Plan for an international infrastructure project.

Module 8: Advanced ACC Integration and Digital Transformation

- Revit Cloud Worksharing
- Navisworks integration
- Civil 3D collaboration
- Power BI and ACC analytics
- Digital Twin and Asset Information Management
- **Case Study:** Implementing an end-to-end BIM collaboration workflow for a mega infrastructure project.

Training Methodology

This course employs a participatory and hands-on approach to ensure practical learning, including:

- Interactive lectures and presentations.
- Group discussions and brainstorming sessions.
- Hands-on exercises using real-world datasets.
- Role-playing and scenario-based simulations.
- Analysis of case studies to bridge theory and practice.
- Peer-to-peer learning and networking.
- Expert-led Q&A sessions.
- Continuous feedback and personalized guidance.

Register as a group from 3 participants for a Discount

Send us an email: info@fineskilltrainingcenter.org or call *+254769199797*

Certification

Upon successful completion of this training, participants will be issued with a globally- recognized certificate.

Tailor-Made Course

We also offer tailor-made courses based on your needs.

Key Notes

a. The participant must be conversant with English.

b. Upon completion of training the participant will be issued with an Authorized Training Certificate

c. Course duration is flexible and the contents can be modified to fit any number of days.

d. The course fee includes facilitation training materials, 2 coffee breaks, buffet lunch and A Certificate upon successful completion of Training.

e. One-year post-training support Consultation and Coaching provided after the course.

f. Payment should be done at least a week before commence of the training, to Fineskill Training Center account, as indicated in the invoice so as to enable us prepare better for you.

Upcoming Scheduled Sessions

Start Date	End Date	Location	Price
23 Nov 2026	27 Nov 2026	Online	$1,000
23 Nov 2026	27 Nov 2026	Physical	$1,500
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$3,000
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$4,500
23 Nov 2026	27 Nov 2026	Physical	$6,000
23 Nov 2026	27 Nov 2026	Physical	$6,000

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