What’s new with BIM 360 & desktop curriculum, and Admin tutorials

Day 2 | August 4, 2021
WELCOME TO THE AUTODESK DIGITAL CONSTRUCTION SUMMER SCHOOL

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- Based in Columbus, Ohio
- Joined Autodesk Education in August 2006
- 30 plus years of AEC industry experience, AU speaker
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Agenda

- BIM 360 curriculum offerings
- BIM 360 lesson plans
- BIM 360 admin setup guide for instructors
- Desktop software curriculum updates
BIM 360 curriculum
BIM 360 curriculum
Autodesk Design Academy

Preconstruction with BIM 360:
Document Management and Model Coordination
academy.autodesk.com/BIM360Preconstruction

Site Execution with BIM 360:
Quality Control, Safety, and Data Analytics
academy.autodesk.com/BIM360SiteExecution
New: BIM 360 Assets module
# BIM 360 Assets module

<table>
<thead>
<tr>
<th>MODULES</th>
<th>COMPLETION HOURS</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>EDUCATORS</td>
</tr>
<tr>
<td>LESSON 1 Introduction to BIM 360 Build</td>
<td>1 hour</td>
</tr>
<tr>
<td>LESSON 2 Introduction to Document Management</td>
<td>1 hour</td>
</tr>
<tr>
<td>LESSON 3 Setting up assets from scratch</td>
<td>45 min.</td>
</tr>
<tr>
<td>LESSON 4 Importing assets in bulk</td>
<td>1 hour</td>
</tr>
<tr>
<td>LESSON 5 Create and assign QR codes to the assets</td>
<td>30 min.</td>
</tr>
<tr>
<td>LESSON 6 Working with assets</td>
<td>1 hour</td>
</tr>
<tr>
<td>TOTAL</td>
<td>5 HOURS 15 MINUTES</td>
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</tbody>
</table>
BIM 360 lesson plans
# BIM 360 Lesson Plans for Preconstruction

**Autodesk Design Academy** | [academy.autodesk.com/BIM-360-lesson-plans](academy.autodesk.com/BIM-360-lesson-plans)

## PACKAGE 1
### DOCUMENT MANAGEMENT
- Managing and Reviewing the Project Documents

Learn how to upload and manage construction documents and models in the BIM 360 platform and use markup tools for communicating issues across disciplines.

4 HOURS 40 MINUTES

## PACKAGE 2
### MODEL MANAGEMENT
- Identifying Clashes Between Coordinated Models

Learn the value of identifying clashes before construction begins by coordinating 3D model files and managing them to resolution.

4 HOURS 20 MINUTES

## PACKAGE 3
### ESTIMATING
- Performing Model-Based Queries for Preliminary Quantity Take-Off

Learn how to quantify elements directly from BIM models in Revit, Navisworks, and BIM 360.

4 HOURS 5 MINUTES
About the BIM 360 Admin Setup Guide

- The Go-To video-based resource for BIM 360 Admin Setup
- Who is the BIM 360 Admin Setup Guide designed for?

Educator or IT Admin
Teaching Assistant
BIM 360 Modules covered

Document Management
- 2D & 3D Publishing & Viewing
- Version Control
- Change Visualization
- Constructability & Design Reviews
- Markups
- Transmittals
- Issue Management

Model Coordination
- Model Aggregation
- Clash Detection

Project Management
- RFIs
- Submittals
- Meeting Minutes

Field Management
- Safety Inspections & Incidents
- Quality Checklists & Issues
- Punch Lists

Assets
- Asset & Equipment Tracking
- Status Tracking
- Bar / QR Codes

Note: Items in gray not covered
BIM 360 Admin setup guide tutorials

Autodesk Design Academy | academy.autodesk.com/BIM-360-admin-setup-guide-for-instructors

- Videos
  - Single topic workflows
- Topics covered
  - BIM 360 Account Setup
  - Document & Project Information Mgt
  - Design Collaboration
  - Model Coordination
  - Project Management
  - Field Management
- Datasets included
  - 2019, 2020, and 2021 versions of Revit
# BIM 360 Admin roles

<table>
<thead>
<tr>
<th>Task</th>
<th>Account administrator</th>
<th>Project administrator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Account setup</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Manage account administration rights</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Create or delete projects</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Activate modules &amp; add project administrators</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Manage account member directory</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Add companies</td>
<td>✓</td>
<td>✓</td>
</tr>
<tr>
<td>Delete companies</td>
<td>✓</td>
<td>✗</td>
</tr>
<tr>
<td>Manage project members</td>
<td>✓</td>
<td>✓</td>
</tr>
</tbody>
</table>
Course Applications

Undergraduate

- Introduction to BIM
- Plan Reading
- Site Management
- Construction Graphics
- Project Management
- Construction Estimating
- Construction Capstone

Graduate

- Advanced BIM
- Construction Information Technology
- Estimating
- Project Management
- Graduate Capstone
Asset structure

Section #

Lesson #

Videos
Admin requirements & Learning Obj’s.
Single topic workflow videos

Datasets
3D model files, 2D documents,
PDF’s, office documents

Help files
How to use BIM 360 Admin Setup Guide

Onboard educators and teaching assistants

Flipped Classroom: Assign students to watch end-user workflow videos

Use as Help videos
BIM 360 Admin Setup Guide for Instructors
https://academy.autodesk.com/BIM-360-admin-setup-guide-for-instructors

Section 1: Account setup and account administration
Learn how to set up your browser for BIM 360, set up BIM 360 for the first time, activate and create projects, and set up account settings as the Account Administrator. This file contains 5 video lessons (20 min) and associated datasets.

DOWNLOAD VIDEOS AND DATASETS (27.8MB)

Section 2: Member management and student license management
Manage members at the account level, add members to a BIM...
Desktop software curriculum
Updated desktop software curriculum

Autodesk Design Academy | academy.autodesk.com/explore-and-learn

- BIM for Construction Management and Planning
- BIM Modeling and Management in Revit
- Highway and Transportation Infrastructure Design using Civil 3D
BIM for Construction Management and Planning

Autodesk Design Academy | academy.autodesk.com/explore-and-learn

Software

- Autodesk Revit and Navisworks

Workflows

- Construction modeling
- Model coordination
- 4D simulations
- Facilities management

7 lessons | 3 hours
BIM Modeling and Management in Revit
Autodesk Design Academy | academy.autodesk.com/explore-and-learn

Software
- Autodesk Revit

Workflows
- Modeling architectural building systems
- Modeling masses
- Working with families and parameters
- Rendering and modeling materials
- Working with schedules and views

19 lessons | 16 hours
Highway and Transportation Infrastructure Design using Civil 3D

Autodesk Design Academy | academy.autodesk.com/explore-and-learn

Software
- Autodesk Civil 3D and Infraworks

Workflows
- Establish existing conditions
- Preliminary site and road layout
- Corridors and intersections
- Site grading, drainage, and utilities

12 lessons | 20 hours