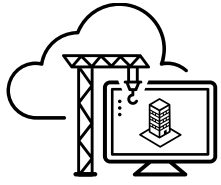


DIGITAL  
CONSTRUCTION  
SUMMER SCHOOL

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

Day 2 | August 4, 2021





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CONSTRUCTION  
SUMMER SCHOOL

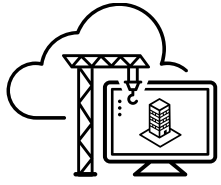
# WELCOME TO THE AUTODESK DIGITAL CONSTRUCTION SUMMER SCHOOL

## John Herridge

AEC Technical Marketing Manager  
Autodesk Education

- Based in Columbus, Ohio
- Joined Autodesk Education in August 2006
- 30 plus years of AEC industry experience, AU speaker
- Email | [john.herridge@autodesk.com](mailto:john.herridge@autodesk.com)





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# Agenda

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



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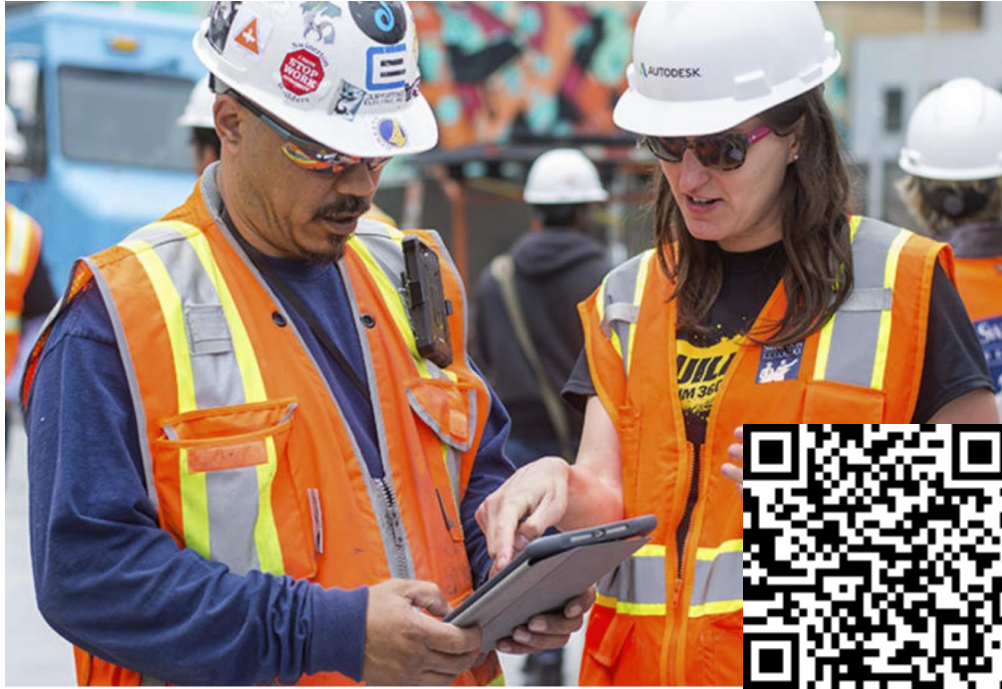
# BIM 360 curriculum





# BIM 360 curriculum

## Autodesk Design Academy



[Preconstruction with BIM 360:  
Document Management and Model Coordination](https://academy.autodesk.com/BIM360Preconstruction)

[academy.autodesk.com/BIM360Preconstruction](https://academy.autodesk.com/BIM360Preconstruction)



[Site Execution with BIM 360:  
Quality Control, Safety, and Data Analytics](https://academy.autodesk.com/BIM360SiteExecution)

[academy.autodesk.com/BIM360SiteExecution](https://academy.autodesk.com/BIM360SiteExecution)

New: BIM 360 Assets module

# BIM 360 Assets module

MODULES	COMPLETION HOURS		
	EDUCATORS	STUDENTS	TOTAL
<b>LESSON 1</b> Introduction to BIM 360 Build	1 hour	5 min.	1 HOUR 5 MIN.
<b>LESSON 2</b> Introduction to Document Management	1 hour	15 min.	1 HOUR 15 MIN.
<b>LESSON 3</b> Setting up assets from scratch	45 min.	25 min.	1 HOUR 10 MIN.
<b>LESSON 4</b> Importing assets in bulk	1 hour	30 min.	1 HOUR 30 MIN.
<b>LESSON 5</b> Create and assign QR codes to the assets	30 min.	30 min.	1 HOUR
<b>LESSON 6</b> Working with assets	1 hour	45 min.	1 HOUR 45 MIN.
<b>TOTAL</b>	5 HOURS 15 MINUTES	2 HOURS 30 MINUTES	



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# BIM 360 lesson plans



# BIM 360 Lesson Plans for Preconstruction

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





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# BIM 360 Admin tutorials



# 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?**



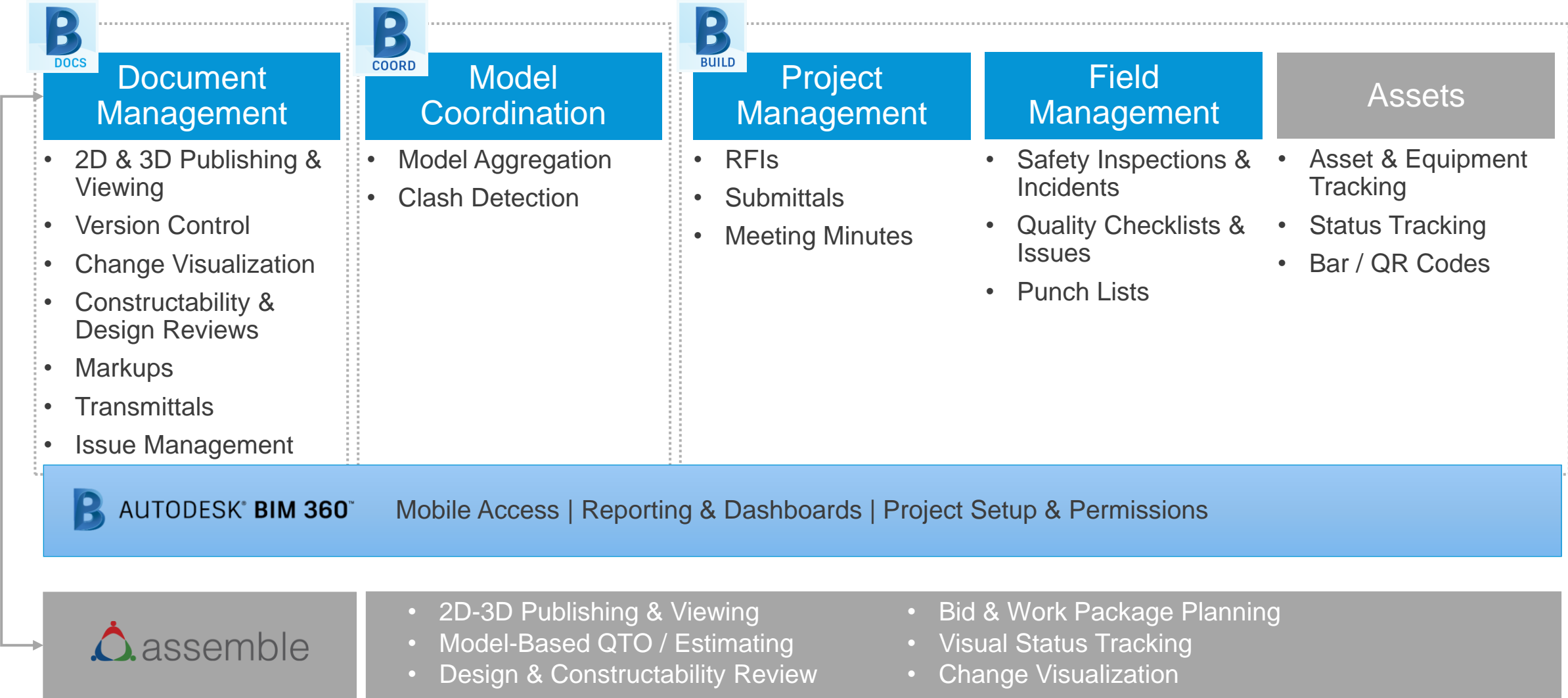
Educator or  
IT Admin



Teaching  
Assistant

# BIM 360 Modules covered

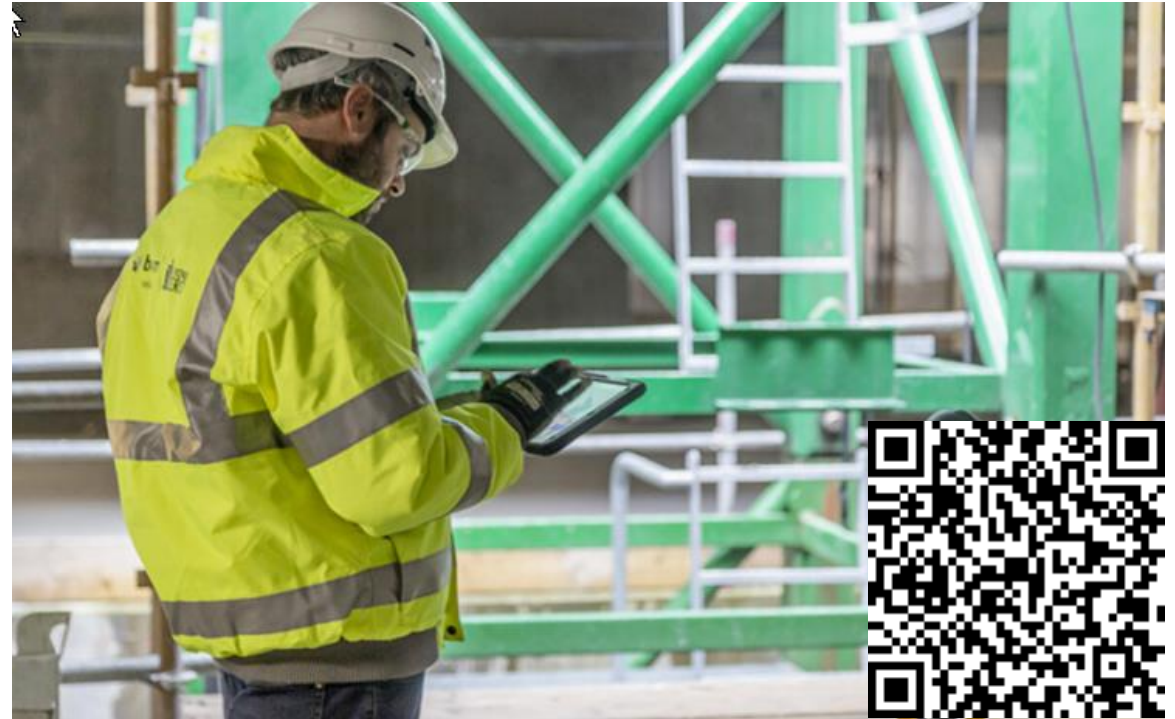
Note: Items in gray not covered



# BIM 360 Admin setup guide tutorials

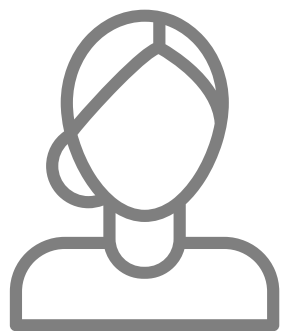
**Autodesk Design Academy** | [academy.autodesk.com/BIM-360-admin-setup-guide-for-instructors](https://academy.autodesk.com/BIM-360-admin-setup-guide-for-instructors)

- 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

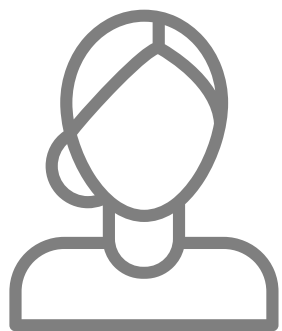




# BIM 360 Admin roles



BIM 360  
Account  
Owner



BIM 360  
Account  
Admins



Project  
Admins

Task	Account administrator	Project administrator
<u>Account setup</u>	✓	✗
<u>Manage account administration rights</u>	✓	✗
<u>Create or delete projects</u>	✓	✗
<u>Activate modules &amp; add project administrators</u>	✓	✓
<u>Manage account member directory</u>	✓	✗
<u>Add companies</u>	✓	✓
<u>Delete companies</u>	✓	✗
<u>Manage project members</u>	✓	✓

# 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

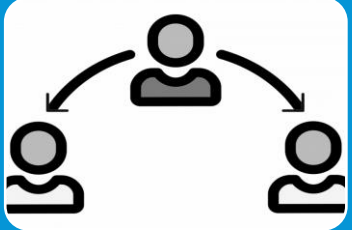
Admin requirements & Learning Obj's.  
Single topic workflow videos

Datasets

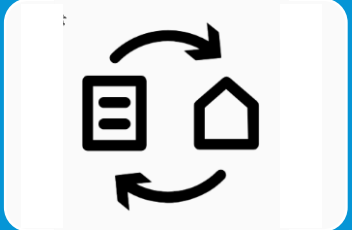
3D model files, 2D documents,  
PDF's, office documents

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



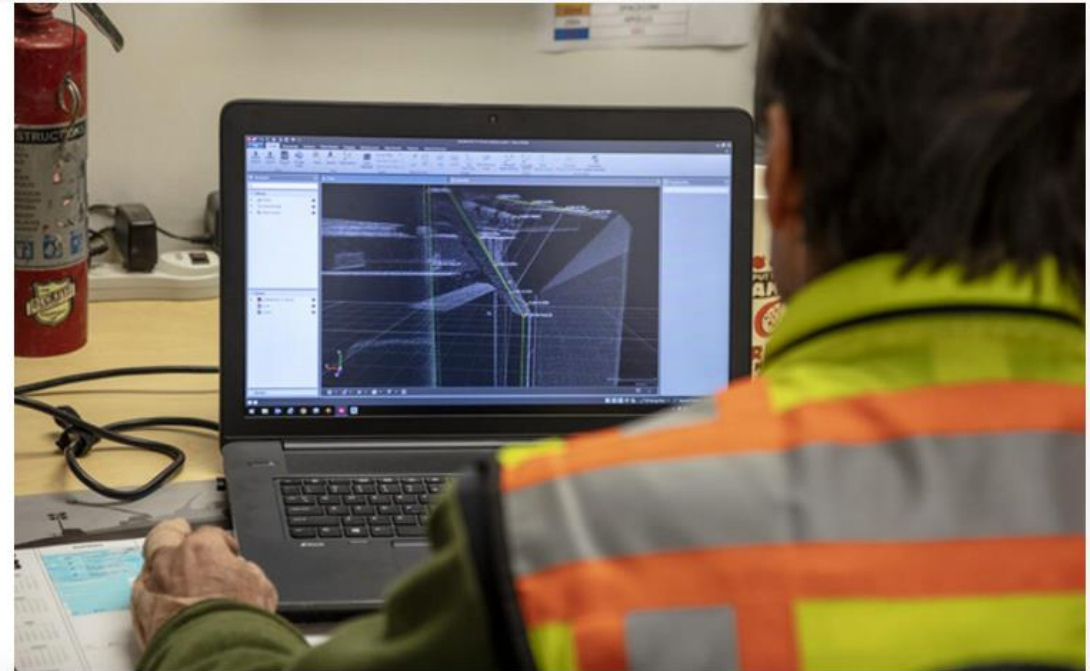
# BIM 360 Admin Setup Guide for Instructors

<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





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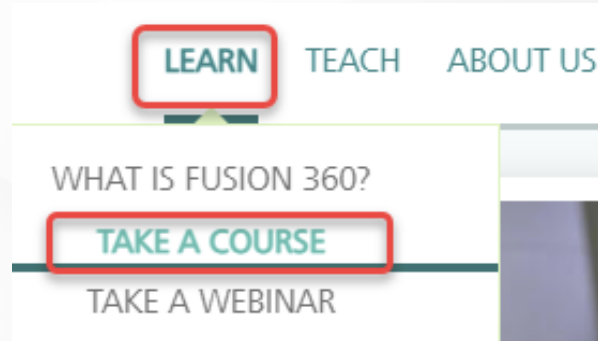
# Desktop software curriculum



# Updated desktop software curriculum

Autodesk Design Academy | [academy.autodesk.com/explore-and-learn](https://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



CONSTRUCTION MANAGEMENT

## BIM for Construction Management and Planning

This course is designed to give you the skills in Autodesk Revit and Navisworks for the tasks you'll encounter during the design and planning stages of a construction project....



# BIM for Construction Management and Planning

Autodesk Design Academy | [academy.autodesk.com/explore-and-learn](https://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](https://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](https://academy.autodesk.com/explore-and-learn)

## Software

- Autodesk Civil 3D and InRoads

## Workflows

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



12 lessons | 20 hours



# AUTODESK<sup>®</sup>

Make anything<sup>™</sup>