



Architecture, Engineering, Construction,
and Operations (AECO)

Educator Guide to curriculum and certifications

Helping educators integrate Autodesk Learning into existing curriculum and classroom experiences

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How to use this guide

Use this guide to bring Autodesk Learning into your existing curriculum and create learning experiences that support your course goals and your students' success.

- Translate Autodesk Learning resources into classroom-ready learning experiences.
- Map relevant learning content directly to your courses, assignments, and learning objectives.
- Explore different content types—courses, projects, collections, and more—and bookmark resources or organize them into shareable playlists.
- Build learning pathways that help students develop skills and prepare for Autodesk certifications.

Components of this guide

- 01 [Types of Autodesk learning resources](#)
- 02 [Learning resources mapped to courses](#)
- 03 [Classroom-ready projects](#)
- 04 [Classroom implementation examples](#)
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Types of Autodesk learning resources

Explore Autodesk learning resource types and recommended classroom uses.

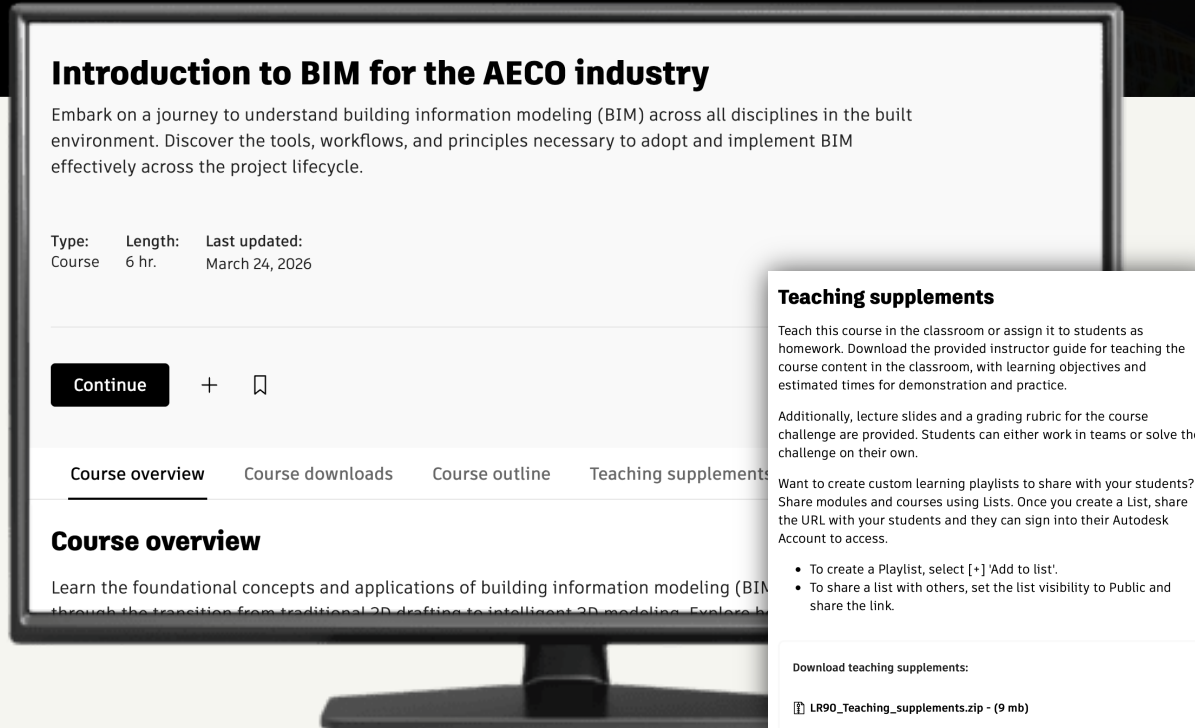


Explore Autodesk learning content

Content type	What it is	Best for	Typical time
Full course	Structured, multi-module learning with datasets, practice, challenges, assessments, and a course certification.	Semester or multi-week	2-15 hrs
Module	Focused instruction on a single topic or workflow, typically including video and knowledge checks.	Single lesson. Independent review or in-class presentation	15-60 min
Practice exercise	Guided hands-on activities that reinforce a workflow, with dataset.	Homework or lab. Skills practice.	10-30 min
Challenge exercise	Independent activity applying skills to solve a defined challenge.	Graded assignment. Independent or in-class.	20-60 min
Projects	Real-world project applying multiple skills with a provided dataset.	Capstone project. Portfolio.	60-120 min
Course assessment	Quiz-style, knowledge-check assessment.	Final review assessment	15-30 min
Cert prep course	Structured preparation for a certification exam.	Review and cert prep	4-10 hrs
Practice test	Exam-style assessment used to measure certification readiness	Mock exam or final review	2 hrs

Full Course

A complete teaching solution



Best for: Semester curriculum, flipped classroom



Time: 2-15 hrs



Includes: Modules with instructional videos, datasets, practices, challenges, assessments, and teaching supplements.



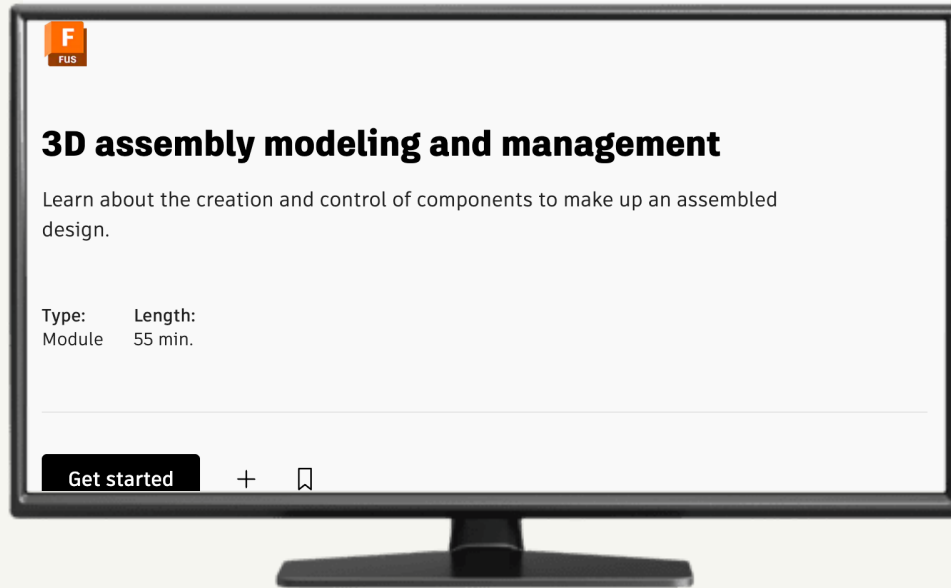
Outcome: Autodesk course completion certificate.

Teaching Supplements

- Lecture Slides
- Instructor Guide
- Grading Rubrics

Module

A focused learning experience that teaches one topic or workflow



Best for: One classroom lesson, homework, skill review, or part of a curated playlist



Time: 15 min – 1 hour



Includes: Instructional videos, knowledge checks, dataset to follow along.



Outcome: Completion check mark, no certificate.

Projects, Practice exercises, and Challenges

Hands-on content that turns instruction into deliverables

All have datasets and a grading rubric or solution included

Project



Time: 1-2 hours



Text format: Scenario, instructions, design criteria, what to submit

Best for: Capstone or portfolio artifact

Project | Design a mechanical assembly

Module overview Module downloads Module outline Test



Project scenario:

A customer has asked your company to redesign a portion of a reciprocating engine. The customer has provided the original assembly and direction on what components and would like to maintain all components of the supplied design except the connecting rod and crankshaft. You will need to model and redesign the specified parts while maintaining the same function. The customer would like to alter the drive ratio and adjust the operation of the mechanism should remain the same and continue to use the same rods, blade, and motor.

Practice Exercise



Time: 10-30 min



Text format: Step-by-step with instructions and images

Best for: Homework or lab

Exercise duration: ~10 minutes

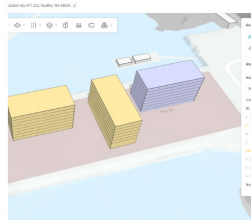
Practice exercise

Create a new Forma Site Design project with site limits and residential and commercial buildings

Use Autodesk Forma Site Design to create a new project, define the site limits, create three buildings, and then specify their function.

Learning objectives:

- Create a new Forma Site Design project.
- Define the site limits.
- Create three buildings.
- Define the Function and review the area metrics



The completed exercise

Challenge



Time: 20-60 min



Text format: Activity instructions, design criteria, what to submit

Best for: Applied Assignment

Exercise duration: ~30 minutes

Challenge exercise

Design a high-rise project in Forma Site Design

In the United States, 90% of construction is less than five levels and less than 50,000 square feet. However, Forma Site Design is designed to help see projects from small, to massive, and this challenge is going to lean into the massive. Your site is in Chicago, Illinois at 331-335 S. Plymouth Ct. This famous site known as Pritzker Park is real estate royalty, and has hosted many speculative high rise projects. Your project will be to maintain the lower-level park (at least a portion of it), while developing a vertical building between 100-300 feet tall (between 10-25 total levels). The overall building program is simple, commercial on the lower level, a mid-level exterior garden space, and an outdoor roof space on the upper level.

Complete the required activities:

1. Create a new project site and location at: 331-335 S. Plymouth Ct., Chicago, Illinois.

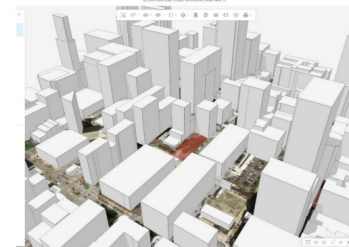


Figure 1. Chicago site at 335 S. Plymouth Ct

Assessments and certification preparation

Exam-style assessments designed to measure certification readiness and identify remaining learning gaps.

Video quizzes and course assessments



Time: 2-30 min



Best for: Knowledge check of skills

Final test

Required for course completion
30 questions

Which of the following can be specified when using the Connector Obstacle tool?
(Select one)

- ☐ Bolt Manufacturer.
- ☐ Tool Manufacturer.
- ☐ Tool Clearance.
- ☐ Bolt Head Type.

How can the original generative design file be turned into a distributed design file that contains an exported 3D outcome?
(Select one)

- ☐ The original generative design file cannot be turned into a distributed design file.

Cert prep course



Time: 4-10 hrs



Best for: Prep for certification test

[Learning](#) [Home](#) [Catalog](#) [Certification](#) [My dashboard](#)



AUTODESK CERTIFIED PROFESSIONAL

BIM Management for Building Design

Earn recognition for your expertise in BIM management with a certification from Autodesk. Demonstrate your knowledge on a variety of project typologies which include multidisciplinary project design, management, and collaboration; quality assurance; and toolset expertise.



AUTODESK CERTIFIED PROFESSIONAL

Revit for Architectural Design

Demonstrate your in-depth Revit modeling and documentation abilities, and future-proof your career with a certification in Revit for architectural design.

Practice test



Time: 2 hrs

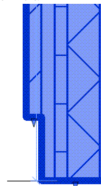


Best for: Measure cert readiness

Revit for architectural design practice test

Required for course completion
52 questions

Refer to exhibit.

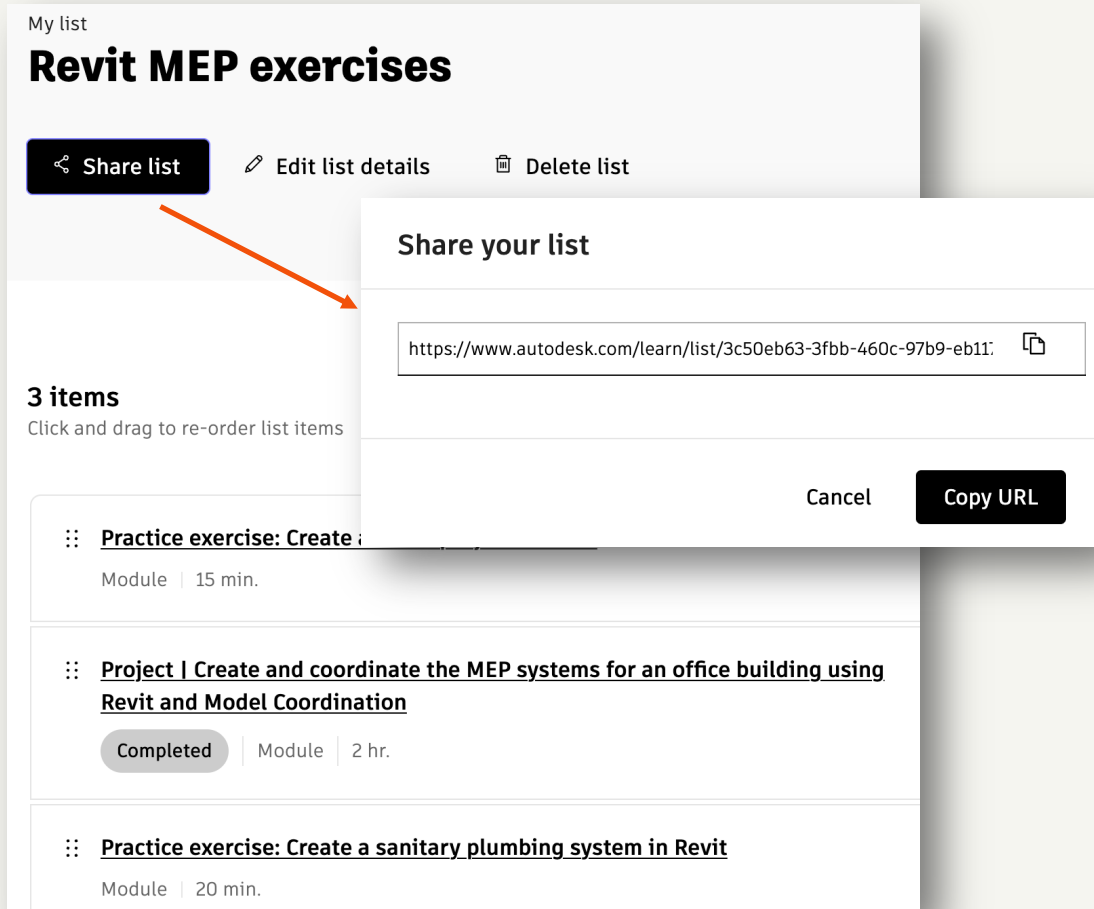


An architectural designer needs to create the condition shown in the exhibit. The bottom extension of the outer brick layer needs to be adjusted independently of the other layers in the wall. How can this be accomplished?
(Select one)

- ☐ Add a void extrusion to the wall and then use the Cut Geometry tool.
- ☐ In the Edit Assembly dialog, use the Modify tool and unlock the brick layer.
- ☐ On the Modify tab, activate the Split Element tool, and split the wall at the brick layer.

Playlists let you Combine, Customize, and Assign

Every classroom is different. Playlists make it work.



Choose

Select the right assets for your learning goal



Combine

Build a playlist that fits your course and timeline



Assign

Share with students in Autodesk Learning



Measure

Students track process with course completions

Watch this video to discover how to create a Playlist and share it: <https://www.autodesk.com/learn/ondemand/tutorial/Discover%20Autodesk%20Learning>

Learning resources mapped to courses

Find Autodesk Learning resources that align with the courses you teach.



Construction management learning content

Mapping AEX learning content to core academic courses. Collections link: [Construction Management for Education](#).

Academic course title/topic	Recommended learning content with links	Product coverage
Integrated design	Learn Forma Data Management in 90 minutes Construction project management in Forma Build Introduction to BIM for the AECO industry Learn Forma Model Coordination and Design Collaboration in 90 minutes	Revit, Forma Data Management, Model Coordination, Design Collaboration, Forma Build
Construction estimating	Learn Forma Preconstruction (Takeoff and Estimate) in 90 minutes Construction estimating and takeoffs in Forma Preconstruction and Revit Introduction to BIM for construction management	Forma Preconstruction (Takeoff and Estimate), Forma Data Management
Construction scheduling	Construction scheduling and cost control in Forma Build, Cost Management, and Navisworks Introduction to BIM for construction management Learn Forma Preconstruction (Takeoff and Estimate) in 90 minutes	Forma Build, Cost Management, Navisworks, Forma Data Management
BIM/VDC	Learn Forma Model Coordination and Design Collaboration in 90 minutes Preconstruction management in Forma Build and Model Coordination Introduction to BIM for construction management	Forma Data Management, Forma Build, Model Coordination, Design Collaboration
Preconstruction management	Learn Forma Model Coordination and Design Collaboration in 90 minutes Preconstruction management in Forma Build and Model Coordination	Forma Data Management, Forma Build, Model Coordination, Design Collaboration
Construction management	Construction project management in Forma Build Introduction to BIM for construction management Learn Forma Build in 90 minutes	Revit, Forma Build, Forma Data Management, Model Coordination
Field and safety management	Construction safety management in Forma Build Learn Forma Build in 90 minutes	Forma Build, Forma Data Management
Construction finance and accounting	Construction scheduling and cost control in Forma Build, Cost Management, and Navisworks Construction estimating and takeoffs in Forma Preconstruction and Revit Preconstruction management in Forma Build and Model Coordination	Forma Build, Cost Management, Navisworks, Forma Data Management, Forma Preconstruction, Model Coordination
Sustainability	Design performance and sustainability with Forma Site Design, Revit, and Forma Carbon Insights	Forma Site Design, Revit, Forma Carbon Insights

Architecture learning content

Mapping AEX learning content to core academic courses: Collections link: [Architectural design for education](#)

Academic course title/topic	Recommended learning content with links	Product coverage
Introduction to BIM / Revit I and II	Introduction to BIM for the AECO industry Learn Revit in 90 minutes Introduction to BIM for architectural design	Revit, Forma Data Management, Model Coordination, Design Collaboration, Forma Site Design
Environmental systems/Sustainability studio	Design performance and sustainability with Forma Site Design, Revit, and Forma Carbon Insights Learn Forma Site Design in 90 minutes: Workflows for design studios	Forma Site Design, Revit, Forma Carbon Insights
Integrated design	Learn Forma Data Management in 90 minutes Construction project management in Forma Build Introduction to BIM for the AECO industry	Revit, Forma Data Management, Model Coordination, Design Collaboration, Forma Build
Site planning and analysis	Learn Forma Site Design in 90 minutes: Workflows for design studios Design performance and sustainability with Forma Site Design, Revit, and Forma Carbon Insights Learn Civil 3D in 90 minutes	Forma Site Design, Revit, Forma Carbon Insights
Advanced design studio / capstone	Cert Prep: Revit for Architectural Design Professional Certification prep	Certification prep course

AECO design and engineering learning content

Mapping AEX learning content to core academic courses. Collections links: [MEP design and engineering for education](#), [Structural design and engineering for education](#), and [civil design and engineering for education](#)

Academic course title/topic	Recommended learning content with links	Product coverage
MEP design and engineering	Introduction to BIM for MEP design Cert prep: Revit for Mechanical Design Professional Certification Prep Cert prep: Revit for Electrical Design Professional Certification Prep	Revit, Forma Data Management, Model Coordination, Design Collaboration
Civil design and engineering	Learn Civil 3D in 90 minutes Introduction to BIM for civil design and engineering Cert prep: Civil 3D for Infrastructure Design Professional Certification Prep	Civil 3D, Forma Data Management
Structural design and engineering	Introduction to BIM for structural design and engineering Cert prep: Revit for Structural Design Professional Certification Prep	Revit, Forma Data Management, Model Coordination, Design Collaboration
Drafting for engineering	Cert prep: AutoCAD for Design and Drafting Professional Certification Prep	AutoCAD

Collections: Curated learning mapped to curriculum

Autodesk learning content is presented as "Collections" matched to core learning pathways in education curriculum.

Collections are quick reference to multiple courses, modules, projects, etc matched to core curriculum in Architecture, Engineering, Construction, and Operations.

Access Collections from the Education page, <https://www.autodesk.com/education/educators-learning-resources>

Architecture, engineering, and construction curriculum

**Construction management
for education**

[Learn more](#)

Architectural design for education

[Learn more](#)

BIM foundations for education

[Learn more](#)

**Structural design and
engineering for education**

[Learn more](#)

**MEP design and
engineering for education**

[Learn more](#)

**Civil design and
engineering for education**

[Learn more](#)

Collection links and descriptions

Curated grouping of related learning experiences

Collection	Description
BIM foundations for education	Core skills to develop knowledge in BIM workflows across industries. These courses prepare students for relevant industry workflows using Revit, Forma for Construction, Forma Site Design, Navisworks, and Civil 3D
Construction management for education	Core construction workflows in Forma for Construction, Revit, and Navisworks taught in construction management courses. Crafted collaboratively with respected academia, industry, and Autodesk experts, this curriculum prepares students for today's job market and future opportunities.
Architectural design for education	Essential resources for architectural design using Revit, Forma Site Design, AutoCAD, and 3ds Max.
MEP design and engineering for education	Essential resources for mechanical, electrical, and plumbing (MEP) students using Revit.
Structural design and engineering for education	Essential resources for structural design and engineering students using Revit.
Civil design and engineering for education	Essential resources for civil design and engineering students using Civil 3D, Infracore, and AutoCAD.

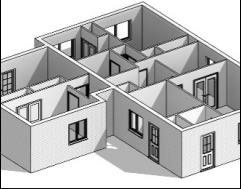
Classroom- ready projects

Explore hands-on projects designed to
reinforce course concepts and build
applied skills

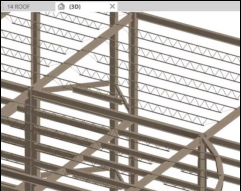
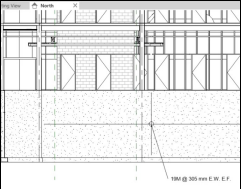
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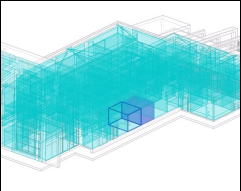
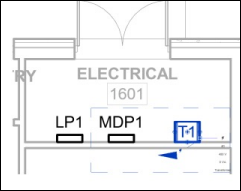
Revit for architectural design projects

Project		What students build	Key skills	Estimated time
	<u>Model the exterior of a small house</u>	Complete an architectural model's exterior by adding walls, attaching a roof, and adding a base offset.	Revit modeling	45 min.
	<u>Convert 2D plans to a 3D informational model in Revit</u>	A basic 3D model with floor, walls, doors, and windows.	Revit modeling, information management, model federation, BIM Execution plan	60 min
	<u>Create the architectural model for an office building in Revit</u>	An architectural model with multiple floors that is federated with a structural model, following BEP.	Revit modeling, information management, model federation, BIM Execution plan	3 hrs
	<u>Create architecture visualizations</u>	A series of professional renderings and animations using Twinmotion.	Twinmotion, design visualization, lighting, animation	1 hr. 30 min

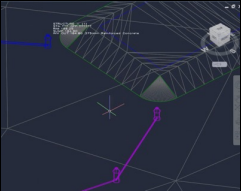
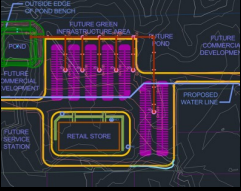
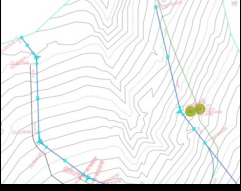
Revit for structural design projects

Project		What students build	Key skills	Estimated time
	<u>Create a roofing plan with bar joists</u>	A roof framing plan that will allow a joist with a bearing seat of 64mm to bear on wide flange framing members.	Revit structural modeling, bar joists, roof framing sheet, annotations	30 min
	<u>Add circulation and create a sheet</u>	A shaft opening in a building, with framing modified on each floor to support the new opening.	Revit structural modeling, 3D voids, beam systems, detail sheets	30 min
	<u>Create foundation walls, footings, and rebar</u>	Create a concrete foundation wall and footings, and add horizontal and vertical reinforcing.	Revit structural modeling, footings, concrete, rebar	1 hr. 30 min

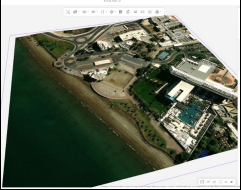
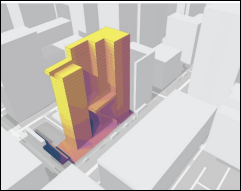
Revit for MEP design projects

Project	What students build	Key skills	Estimated time
	<u>Set up a central model and design a mechanical system with zones and analysis</u>	Design system, define worksets, create zones, connect equipment, and ensure that system data can be validated visually and analytically	Revit mechanical modeling, worksets, analysis, collaboration
	<u>Set up an electrical light project in Revit</u>	Set up a new lighting project that uses a Revit default template.	Revit electrical modeling, load classifications, link models, lighting fixtures, color fill legend
	<u>Create and coordinate the MEP systems for an office building using Revit and Model Coordination</u>	Construct fully connected HVAC, electrical, and plumbing infrastructure, and establish a cloud-based coordination space.	Revit MEP modeling, BEP, link models, documentation, sheets, cloud coordination, federate models

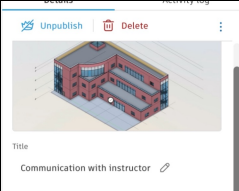
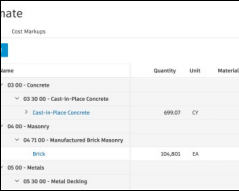
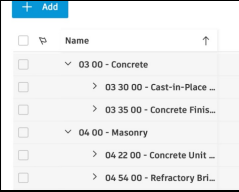
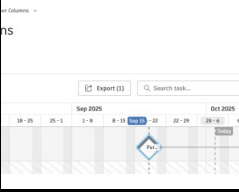
Civil 3D projects

Project	What students build	Key skills	Estimated time
 <u>Create a storm sewer network in Civil 3D and coordinate with Revit</u>	Create a storm sewer network, export civil drawing, and export Revit model on shared coordinates.	Civil 3D pipe network design, Cloud worksharing, shared coordinates	1 hr. 30 min.
 <u>Model civil site features</u>	Create a site project with a proposed surface and utilities.	Data shortcuts, surfaces, utility connections, alignments, profiles, labels	1 hr.
 <u>Designing a connector road</u>	Design a new local connector road between two subdivisions	Styles and labels, survey data, linework, data shortcuts, viewframe, sheets, viewports, profiles	3 hours

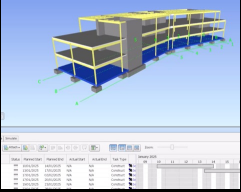
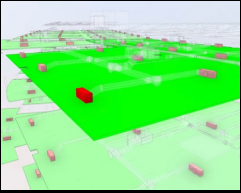
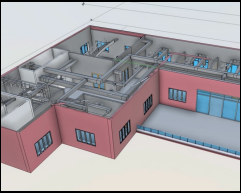
Forma Site Design projects

Project		What students build	Key skills	Estimated time
	<u>Build a site layout, incorporate solar panels, and run a solar energy analysis</u>	In two short challenges, build an initial site, then apply solar panels to the design and run a solar energy analysis.	Site development, massing, site analysis	1 hr.
	<u>Design a high-rise project and run simulations</u>	In two short challenges, create a site project with tall buildings and run analysis on proposals.	Massing, site analysis, proposal review	1 hr.
	<u>Create a site layout in an arid climate and run simulations</u>	In two short challenges, create a site project in an arid climate and run analysis on proposals.	Massing, site analysis, proposal review	1 hr.
	<u>Create a performance-driven massing and sustainability strategy</u>	Model 3 mixed-use buildings, run simulations, export optimized model, and evaluate in Revit and Forma Carbon Insights.	Forma Site Design massing and analysis, Revit (EAM model, Solar analysis extension), Forma Carbon Insights	2 hr. 30 min

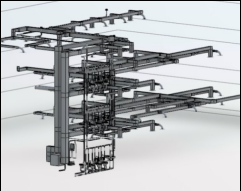
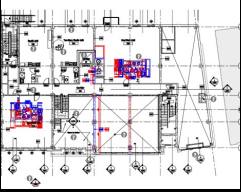
Forma for construction projects

Project		What students build	Key skills	Estimated time
	<u>Review design changes and create project issues in Forma Data Management</u>	Document the changes between two versions of the architectural model using project issue.	Forma Data Management, Compare tool	1 hr.
	<u>Develop a structural model-based construction estimate</u>	Calculate structural concrete volumes, determine steel weights, and calculate direct and indirect costs on a model.	Forma Preconstruction or Revit	1 hr.
	<u>Estimate costs of systems components in Forma Preconstruction</u>	Quantify ductwork, piping, HVAC equipment, and plumbing fixtures, then develop a complete estimate that includes direct and indirect costs.	Forma Preconstruction	1 hr. 30 min
	<u>Develop an integrated construction schedule and cost control workflow</u>	Connect design, time, and cost data into one coordinated process.	Navisworks, Build (Schedule and Cost Management)	1 hr.

Forma for construction projects

Project		What students build	Key skills	Estimated time
	<u>Create a construction simulation for an architectural model</u>	A simulation in Navisworks that represents the step-by-step construction of the architectural model	Revit project parameters, Create parts tool, Navisworks TimeLiner	1 hr. 30 min.
	<u>Coordinate and quantify models in Forma for Construction</u>	Coordinate a model, perform clash detection, then a quantity takeoff	Model coordination, clash detection, quantity takeoff in Autodesk Takeoff.	1 hr. 30 min.
	<u>Coordinate structural and systems models using Model Coordination</u>	Create coordination issues for conflicts that require resolution	Model coordination, clash detection, issues	1 hr. 30 min.
	<u>Develop a coordinated preconstruction plan in Forma for Construction</u>	Federate and review constructability, create contracts, link schedule milestones, and create a forecast	BEP, model coordination, cost management, contracts, project schedules, forecasts	1 hr.

Forma for construction projects

Project	What students build	Key skills	Estimated time
 <u>Create assets and document project communication in Forma Build</u>	Create assets for key equipment, and use Forma Build communication tools to create an RFI, meeting, and correspondence.	Forma Data Management, Forma Build	1 hr. 30 min.
 <u>Manage a construction project using Forma Build</u>	Organize plumbing project documents, track and resolve coordination issues, process RFIs and submittals, document meetings, and generate reports.	Forma Data Management, Forma Build	1 hr.
 <u>Develop a digital construction safety management workflow in Build</u>	Locate and properly import additional Safety Data Sheets to a project, create a safety issue type, and create a work permit form.	Forma Build, issues, form templates	1 hr.

Classroom implementation examples



Explore use cases that show how Autodesk Learning resources can support different course topics and learning goals.

 **AUTODESK**

Use case: **Integrated Design**

Match integrated design curriculum with Autodesk learning content that supports multidisciplinary collaboration and connected BIM workflows.

Discovery



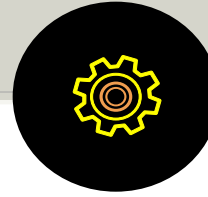
- ☐ Do students work across architecture, engineering, and construction disciplines?
- ☐ Are they collaborating on shared BIM models?
- ☐ Do you emphasize design coordination throughout the project lifecycle?
- ☐ **Explore:** Integrated BIM workflows across Revit and Civil 3D Cloud Worksharing, plus Forma for Construction.

Review content



- ☐ [Learn Forma Data Management in 90 minutes](#)
- ☐ [Construction project management in Forma Build](#)
- ☐ [Introduction to BIM for the AECO industry](#)
- ☐ [Learn Forma Model Coordination and Design Collaboration in 90 minutes](#)
- ☐ Review the courses above, including the teaching supplements, datasets, practice exercises, and capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: **BIM/VDC (construction)**

Match educator classroom topics with learning content in Forma for Construction for model coordination and clash detection.

Discovery



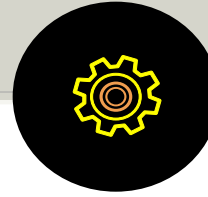
- ☐ Do you teach BIM or coordination?
- ☐ Do students currently use coordination, clash detection, and issue tracking tools?
- ☐ **Explore:** Model Coordination in Forma for Construction workflow.

Review content



- ☐ [Learn Forma Model Coordination and Design Collaboration in 90 minutes](#)
- ☐ [Preconstruction management in Forma Build and Model Coordination](#)
- ☐ [Introduction to BIM for construction management](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: **Construction Estimating**

Connect estimating coursework with Autodesk workflows that support quantity takeoff and cost planning.

Discovery



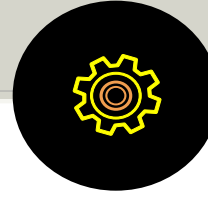
- ☐ Do students learn quantity takeoff?
- ☐ Are they creating cost estimates from BIM models?
- ☐ Do they work with 2D drawings or model-based estimating?
- ☐ **Explore:** Quantity takeoff workflows using Forma Takeoff and cost estimates in Forma Estimate.

Review content



- ☐ [Learn Forma Preconstruction \(Takeoff and Estimate\) in 90 minutes](#)
- ☐ [Construction estimating and takeoffs in Forma Preconstruction and Revit](#)
- ☐ [Introduction to BIM for construction management](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: Construction Scheduling and Cost Planning

Match scheduling instruction with Autodesk workflows for project planning and schedule management.

Discovery



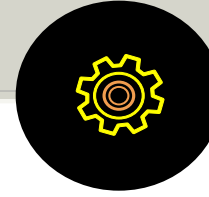
- ☐ Do students develop project schedules?
- ☐ Are schedules linked to BIM models?
- ☐ Do they learn sequencing or 4D planning?
- ☐ **Explore:** Schedule management and model-based planning in Forma for Construction, Cost Management, and TimeLiner in Navisworks.

Review content



- ☐ [Construction scheduling and cost control in Forma Build, Cost Management, and Navisworks](#)
- ☐ [Introduction to BIM for construction management](#)
- ☐ [Learn Forma Preconstruction \(Takeoff and Estimate\) in 90 minutes](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

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Send



- ☐ Send saved Playlist URL to students.

Use case: **Preconstruction Management**

Connect preconstruction curriculum with Autodesk workflows supporting planning and collaboration.

Discovery



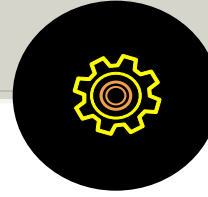
- ☐ Do students learn planning before construction begins?
- ☐ Are they involved in constructability reviews?
- ☐ Do they evaluate project risks?
- ☐ **Explore:** Forma for Construction, Forma Data Management, Model Coordination, and Design Collaboration.

Review content



- ☐ [Learn Forma Model Coordination and Design Collaboration in 90 minutes](#)
- ☐ [Preconstruction management in Forma Build and Model Coordination](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: Construction Project Management

Connect construction management instruction with digital project delivery workflows.

Discovery



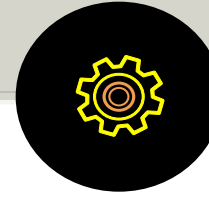
- ☐ Do students learn project management?
- ☐ Are they using digital construction management platforms?
- ☐ Do they manage RFIs, submittals, or documents?
- ☐ **Explore:** Forma for Construction, Forma Data Management, and Forma Build.

Review content



- ☐ [Construction project management in Forma Build](#)
- ☐ [Introduction to BIM for construction management](#)
- ☐ [Learn Forma Build in 90 minutes](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

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- ☐ Send saved Playlist URL to students.

Use case: Field and Safety Management

Match field management and safety instruction with Autodesk construction workflows.

Discovery



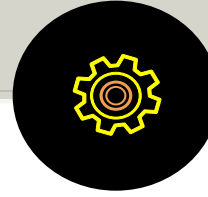
- ☐ Do students learn field management?
- ☐ Is safety documentation part of the curriculum?
- ☐ Do they perform site inspections?
- ☐ **Explore:** Forma for Construction, Forma Data Management, Forma Build, and Forma Mobile app.

Review content



- ☐ [Construction safety management in Forma Build](#)
- ☐ [Learn Forma Build in 90 minutes](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

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- ☐ Send saved Playlist URL to students.

Use case: Construction Finance and Accounting

Connect construction finance instruction with digital project controls.

Discovery



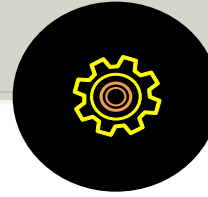
- ☐ Do students study project cost management?
- ☐ Are budgets tracked throughout projects?
- ☐ Do they discuss forecasting?
- ☐ **Explore:** model-based planning in Forma for Construction, Cost Management, and Navisworks.

Review content



- ☐ [Construction scheduling and cost control in Forma Build, Cost Management, and Navisworks](#)
- ☐ [Construction estimating and takeoffs in Forma Preconstruction and Revit](#)
- ☐ [Preconstruction management in Forma Build and Model Coordination](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: Sustainability (Construction)

Connect sustainable construction instruction with Autodesk workflows supporting environmental performance.

Discovery



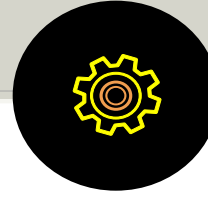
- ☐ Do students evaluate sustainable construction practices?
- ☐ Do they discuss operational and embodied carbon?
- ☐ Are lifecycle impacts part of the curriculum?
- ☐ **Explore:** Forma Site Design and Forma Carbon Insights.

Review content



- ☐ [Design performance and sustainability with Forma Site Design, Revit, and Forma Carbon Insights](#)
- ☐ Review components of the course, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add course or course components to playlist with +. Discover other learning resources on [the Autodesk Learn catalog](#).

Send



- ☐ Send saved Playlist URL to students.

Use case: Introduction to BIM / REVIT I & II

Connect introductory BIM courses with Revit workflows used in architectural practice

Discovery



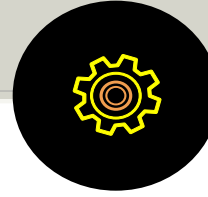
- ☐ Are students new to Revit?
- ☐ Are they creating architectural models?
- ☐ Do they produce drawings and documentation?
- ☐ **Explore:** Revit architectural modeling, documentation, and collaboration topics.

Review content



- ☐ [Introduction to BIM for the AECO industry](#)
- ☐ [Learn Revit in 90 minutes](#)
- ☐ [Introduction to BIM for architectural design](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: MEP design



Connect MEP course objectives with practical BIM learning resources that prepare students for industry workflows.

Discovery



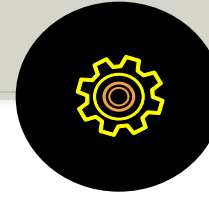
- ☐ Do you teach Revit MEP or multidisciplinary BIM?
- ☐ Which disciplines: mechanical, electrical, plumbing, or integrated MEP?
- ☐ Are students creating systems, analyzing, or producing construction documentation?
- ☐ **Explore:** Revit MEP tools and Forma for Construction coordination.

Review content



- ☐ [Introduction to BIM for MEP design.](#)
- ☐ [Introduction to BIM for the AECO industry](#)
- ☐ Use [certification prep courses](#) if students are advanced.
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: Environmental Systems / Sustainability Studio

Connect sustainability studio instruction with Autodesk environmental analysis workflows.

Discovery



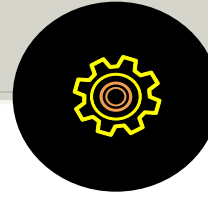
- ☐ Do students analyze building performance?
- ☐ Are environmental studies part of studio projects?
- ☐ Do students evaluate early design decisions?
- ☐ **Expore:** Forma Site Design environmental analysis.

Review content



- ☐ [Design performance and sustainability with Forma Site Design, Revit, and Forma Carbon Insights](#)
- ☐ [Learn Forma Site Design in 90 minutes: Workflows for design studios](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: **Site Planning and Analysis**

Connect site planning coursework with Autodesk tools for early design and civil coordination.

Discovery



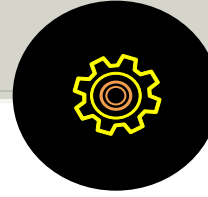
- ☐ Do students perform site analysis?
- ☐ Do they study grading or land development?
- ☐ Is environmental context considered?
- ☐ **Explore:** Forma Site Design and Civil 3D site planning workflows.

Review content



- ☐ [Learn Forma Site Design in 90 minutes: Workflows for design studios](#)
- ☐ [Design performance and sustainability with Forma Site Design, Revit, and Forma Carbon Insights](#)
- ☐ [Learn Civil 3D in 90 minutes](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark and add courses or course components to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: **Advanced Design Studio / Capstone**

Connect advanced studio projects with industry BIM workflows.

Discovery



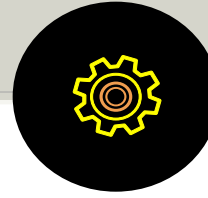
- ☐ Are students completing comprehensive building projects?
- ☐ Do they collaborate across disciplines?
- ☐ Are professional BIM workflows incorporated?
- ☐ Are students interested in Autodesk certification?
- ☐ **Explore:** [Project library](#) and Autodesk certifications

Review content



- ☐ [Project library](#)
- ☐ [Cert Prep: Revit for Architectural Design Professional Certification prep](#)
- ☐ Review components of the course and projects, including datasets.

Save & organize



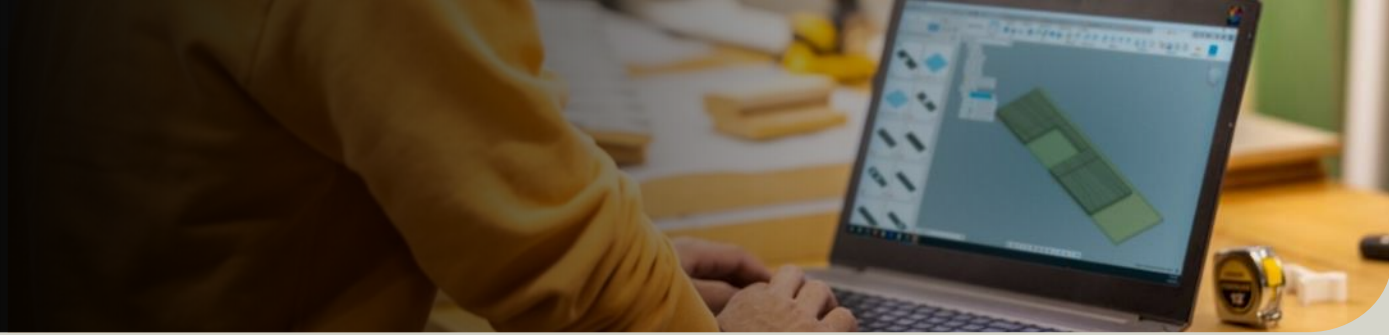
- ☐ Bookmark the projects and course and add it to playlist with +.

Send



- ☐ Send saved Playlist URL to students.

Use case: **Civil Design**



Connect civil engineering instruction with Autodesk civil infrastructure workflows.

Discovery



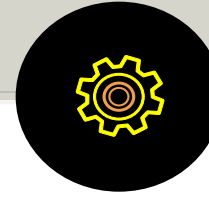
- ☐ Do students use Civil 3D?
- ☐ Are they designing transportation or land development projects?
- ☐ Do they coordinate with architects or contractors?
- ☐ **Explore:** Civil 3D workflows.

Review content



- ☐ [Learn Civil 3D in 90 minutes](#)
- ☐ [Introduction to BIM for civil design and engineering](#)
- ☐ For inspiration: [Civil 3D for Infrastructure Design Professional Certification Prep](#)
- ☐ Review components of the courses, including Teaching Supplements, course downloads, practice exercises, and course capstone project.

Save & organize



- ☐ Bookmark the projects and course and add it to playlist with +.

Send



- ☐ Send saved Playlist URL to students.



Video guidance on learning resources

Short videos to help you find
Autodesk Learning resources, create
playlists, and choose learning that fits
your curriculum and class time.

 **AUTODESK**

Autodesk Learning video guides

Access short videos for curriculum integration, projects, playlists, and certification. Access the [video collection](#) or individual videos (links below)

[Discover Autodesk Learning](#)

Just getting started with Autodesk Learning? Discover what Autodesk offers and find learning resources that fit the classes you teach.

[Bring Autodesk Learning into your existing CAD curriculum](#)

Already teaching a CAD course? Learn how to integrate Autodesk Learning into your existing curriculum and find resources that support your learning objectives.

[Integrate Autodesk Learning into your AECO Curriculum](#)

Already teaching a BIM or Construction course? Learn how to integrate Autodesk Learning into your existing curriculum and find resources that support your learning objectives.

[Find classroom-ready projects and exercises](#)

Looking for a project or class assignment? Find classroom-ready projects that reinforce your students' learning and fit your course.

[Teach an Autodesk course from start to finish](#)

Need a ready-to-teach Autodesk course? Find a complete Autodesk Learning course you can confidently teach or adapt to fit your classroom.

[Prepare students for Autodesk certification](#)

Want to give students a career head start? Find certification preparation courses and resources to help students build skills, practice, and get ready for certification.

Certification pathways



Explore certification levels, recommended learning paths, preparation resources, and exam funding resources and costs.

 **AUTODESK**

Levels of certification

From foundational to advanced, certifications help to signal a mastery of skills

Autodesk Certified User (ACU)

Designed for: Learners with basic Autodesk software knowledge and skills who want to prove evidence of competency and proficiency of skills while building confidence as they continue to master Autodesk products and pursue further certifications.

Recommended Software Experience: ~100 cumulative hours of relevant Autodesk software experience

Autodesk Certified Associate (ACA)

Designed for: Learners and professionals with foundational Autodesk software knowledge and skills who are ready to enter the job market or shift to a new career path.

Recommended Software Experience: ~150 cumulative hours of relevant Autodesk software experience

Autodesk Certified Professional (ACP)

Designed for: Advanced learners and professionals solving workflow and design challenges who want to move their skills, research, and career forward and stand out in their market.

Recommended Software Experience: 400 - 1,200 cumulative hours of relevant Autodesk software experience

Autodesk Certified Expert (ACE)

Designed for: Learners and professionals who are looking to incorporate the most advanced and cutting-edge skills into their workflows and want to develop significant depth in their expertise.

Recommended Software Experience: 400 - 1,200 cumulative hours of relevant Autodesk software experience

Autodesk offers a range of certifications from beginner to expert to ensure every learner and professional has the resources to advance their career. Certifications are industry-verified and aligned to the skills and tasks of real-world roles to ensure they help provide immediate applicability and benefits to each person getting certified and their employers.

Autodesk Certification Portfolio

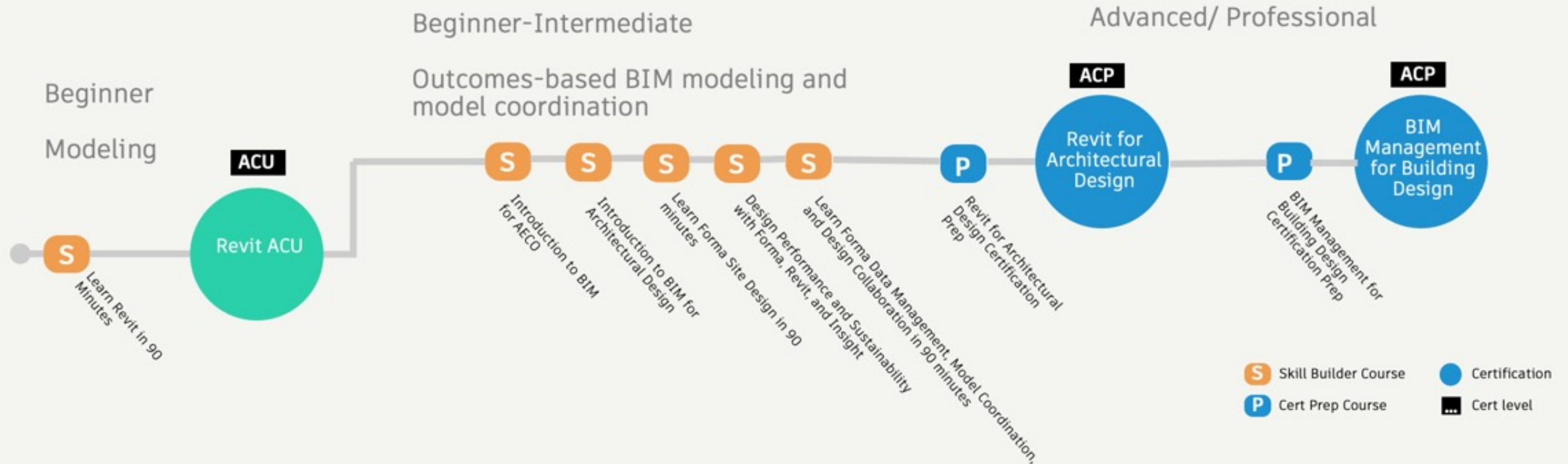
Certification		Certified User (~\$100)	Associate \$150	Professional (\$200)	Expert \$250
Ideal candidates		Secondary students and Non-English speakers (Up to 150 hrs.)	Early career professionals and higher education students (150+ hrs.)	Advanced professionals and advanced students (400-1200+ hrs.)	Expert professionals and graduate-level students (400-1200+ hrs.)
Architecture, Engineering, and Construction	AutoCAD				
	Revit			    	
	Civil3d				
Design and Manufacturing	Fusion		  	  	 
	Inventor				
Media and Entertainment	3ds Max				
	Maya				

Autodesk Certified User
Delivered through our partner Certiport
Available in multiple languages

Autodesk Certified Associate/Professional/Expert (ACA/ACP/ACE)
Delivered on Autodesk.com & Pearson Professional Assessment
Available in English only.

BIM Manager in Architecture pathway

Current AEX courses and certs in the pathway



Note: The ACP exams are not necessarily a progression. You do not need to take the Revit for Architectural Design exam as a prerequisite to the BIM Management exam.

Architect or Architectural Designer in Architecture pathway

Current AEX courses and certs in the pathway



How to purchase certification vouchers

Autodesk Certified User

- Purchase single exam vouchers or classroom licenses
- Valid for Autodesk Certified User exams
- Schools can become a Certiport Authorized Testing Center
- Best for classroom or cohort delivery

CERTI|PORT®

Certiport representatives list



Autodesk Associate / Professional / Expert

- Use Autodesk.com certification pages for individual registration
- Route bulk voucher needs through Autodesk Learning Partners or distributors
- Pair vouchers with prep resources, practice tests, and exam objectives
- Confirm regional availability before purchase

Pearson
Professional Assessments

AUTODESK
Learning Partner

Key certification resource links

Note: Links are shown for reference – verify availability in your region before sharing with learners.

All Autodesk certifications

Browse every certification, exam objectives, and preparation resources.

autodesk.com/certification/all-certifications

Autodesk Certified User

Entry-level credentials for students, delivered through our partner Certiport.

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Associate, Professional, Expert

Career-stage exams delivered on Autodesk.com and through Pearson VUE.

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Autodesk Certification Support

Email address for support

Certification@autodesk.com

Paying for it

GI Bill – Veterans and Family

[Licenses, certifications, and prep courses: GI Bill® Comparison Tool | Veterans Affairs](#)

What Perkins V covers

Federal grant funding that U.S. states may direct toward software and certification adoption.

certiport.pearsonvue.com/Certifications/Autodesk/Certifications/Endorsements



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