

SEPT - DEC

2018



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**TECHNICAL TRAINING  
CATALOG**



A TOPCON SOLUTIONS STORE

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# TRAINING AND CERTIFICATION

From academia and throughout your professional career, Autodesk provides educational resources—instructor-led, self-paced, or online training—and certification to help you stay competitive.

## STAND OUT WITH AN AUTODESK CERTIFICATION

- Earn an industry-recognized credential that helps prove your skill level and can get you hired.
- Develop your skills with sample projects and exercises that emphasize real-world applications.
- Accelerate your professional development and help enhance your credibility and career success.
- Validate your skills and join an elite team of Autodesk Certified professionals.
- Display your Autodesk Certified certificate, use the Autodesk Certified logo, highlight your achievement and get noticed by listing your name in the Autodesk Certified Professionals database.



**Exam Dates:** 9/21, 10/12, 11/9, 12/14

**Locations:** PDX & SEA

**Time:** 9am - 11am

**Cost:** \$175 per exam

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[theppigroup.com/certification](http://theppigroup.com/certification)

Exams offered include Professional level:



→ Our training classes can come to you - Don't see what you need? Or timing isn't just right? Our instructors can come to you complete with Autodesk software loaded mobile labs.

→ Instructors and support teams have on average 15 years in the AEC CAD and design support industry.

## AUTODESK TRAINING CENTERS

### PORTLAND | SEATTLE

6015 NE. 80th Ave. #400  
Portland, OR 97218  
(800) 247-1927

18040 72nd Ave. South  
Kent, WA 98032  
(800) 558-5368



# BUILDING DESIGN SOLUTIONS

## REVIT® ARCHITECTURE ESSENTIALS

Get introduced to Revit Architecture while learning the fundamental concepts of Building Information Modeling (BIM). This hands-on three day course will teach you how to model essential building elements in 3D such as walls, stairs, doors, windows, etc. You'll also learn how to create schedules, legends, sheets and other views of your model to create a construction document set. *Length: 3 days*

**DATES:** Portland | 9/11-13, 10/16-18, 11/27-29  
Seattle | 9/25-27, 10/30-11/1, 12/4-6

**COST:** \$995 per person

## REVIT® LEVEL 2

The next progressive step in our Revit® series, this hands-on Intermediate two day course will teach you features that continue to build on concepts introduced in PPI's Revit Essentials classes. Students will learn about Worksharing – where multiple project team members can work on the same project at the same time – Design Options, Phasing, Revision Tracking, and much more. *Length: 2 days*

**DATES:** Portland 10/23-24 | Seattle 12/18-19

**COST:** \$850 per person

## REVIT® ARCHITECTURE FAMILIES

The Family Editor allows Revit users to create components and tags to use in their Revit building project. In this hands-on one day course, you will learn how to model parametric building components in 3D, create intelligent tags, work with a Shared Parameters file, edit wall types, customize railings, and much more. A basic knowledge of navigating Revit projects and the Revit interface is required to take this class. *Length: 1 day*

**DATES:** Portland 11/1 | Seattle 9/27

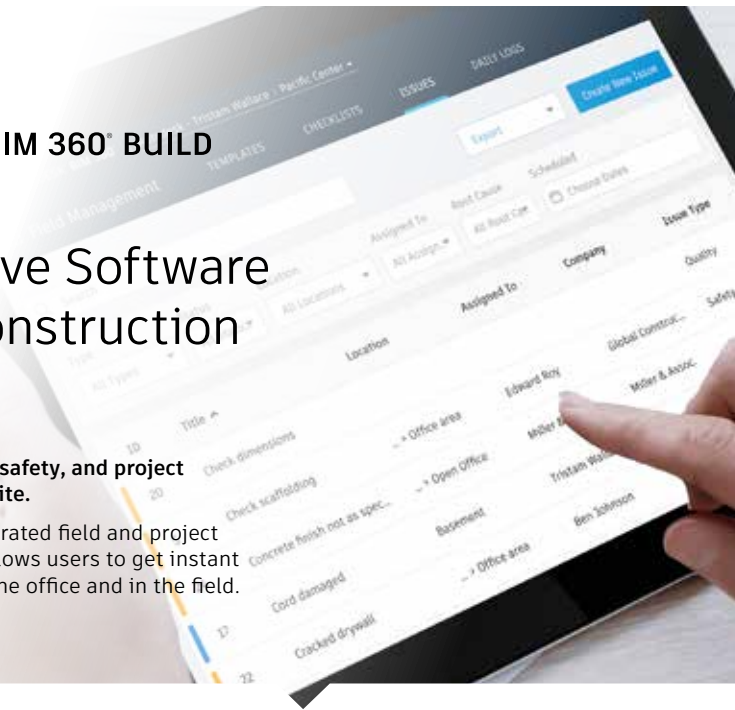
**COST:** \$495 per person

## AUTODESK® BIM 360® BUILD

### Collaborative Software Built for Construction

Improve quality control, safety, and project management on the jobsite.

BIM 360 Build is an integrated field and project management tool that allows users to get instant project updates both in the office and in the field.



## REVIT® COLLABORATION TOOLS

The objective of this hands-on one day class is to enable students who have a basic knowledge of Autodesk Revit, to increase productivity while working with other people on a team, either in the same firm or other firms as well as with other disciplines. Students will learn multi-discipline coordination, linking and importing files, project phasing, working with design options and much more. *Length: 1 day*

**DATES:** Portland 12/5 | Seattle 9/20

**COST:** \$495 per person



## REVIT® MEP ESSENTIALS

Learn the essential functionality of Revit Mechanical, Electrical and Plumbing while learning the fundamental concepts of Building Information Modeling (BIM). This hands-on two day course will teach the students how to navigate, monitor the Architect's changes, create schedules, details, legends, sheets, and other views of your model to create your construction document set.

*All students are required to attend Revit MEP Essentials prior to the specialized training class.*

			<b>COST</b>
<b>MEP Essentials</b>	<b>DATES:</b> Portland 10/8-9   Seattle 11/12-13		\$850
<b>Mechanical</b>	<b>DATES:</b> Portland 10/10   Seattle 11/14		\$395
<b>Electrical</b>	<b>DATES:</b> Portland 10/11   Seattle 11/15		\$395
<b>Plumbing</b>	<b>DATES:</b> Portland 10/12   Seattle 11/16		\$395

**COST:** 2 days \$850 per person, 3 days \$1095, 4 days \$1295, 5 days \$1495

## M MECHANICAL

Learn how to place mechanical equipment and air terminals, then model and connect ductwork in 3D to those essential building components. Additionally, this hands-on one day course will teach you how to create HVAC systems, define spaces and zones, create hydronic piping systems and produce heating and cooling load calculations and reports.

## F ELECTRICAL

Learn how to place electrical equipment, and component devices, then model conduit and cable trays in 3D. Additionally, this hands-on one day course will teach you how to define spaces for electrical loads and lighting calculations, create panel schedules, create power and switch systems, and analyze the resulting circuits.

## P PLUMBING

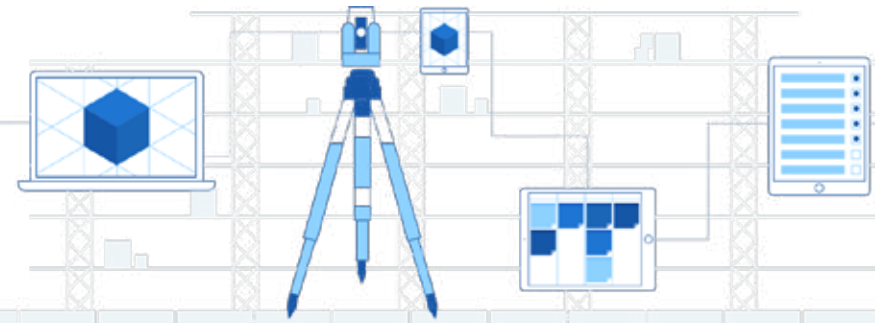
Learn how to place plumbing fixtures, fittings and accessories, then model and connect pipes in 3D to those essential building components. Additionally, this hands-on one day course will teach you how to work with sloped pipe, create plumbing fixture unit schedules, create piping and plumbing systems, and analyze those systems.



As a leader in construction technology, we offer an internal BIM Team to provide expertise and solutions to General Construction, MEP and Structural contractors.

- BIM360 Products
- Magnet Field
- Magnet Office
- Topcon LN-100 Layout Navigator
- Topcon Total Station GT/PS/DS
- SOKKIA iX/DX

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## REVIT® MEP FAMILIES

The Family Editor allows Revit users to create components and tags to use in their Revit building project. In this hands-on one day course, you will learn how to model parametric building components in 3D, create intelligent tags, work with a Shared Parameters file, place MEP connectors on their content for pipe, duct and conduit connections, and much more. A basic knowledge of navigating Revit projects and the Revit interface is required to take this class.

*Length: 1 day*

**DATES:** Portland 12/4 | Seattle 9/18

**COST:** \$495 per person

## REVIT® FOR PROJECT MANAGERS

The topics of this hands-on one day class are focused for PMs and principals that do not need to be in the model every day nor become production staff. Students will learn to navigate the Revit interface and Revit projects, review building models for QA/QC, experience Worksharing – where multiple project team members can work on the same project at the same time – and much more. No Revit experience is required to take this class. *Length: 1 day*

**DATES:** Portland 11/14 | Seattle 12/20

**COST:** \$495 per person

## NAVISWORKS® ESSENTIALS

Learn how to unite, review and share your 3D design models from multiple formats - saving you from RFIs and collision issues. This hands-on two day class will teach you how to open and append 3D files of different formats for project review, perform visual project model approval and perform interference detection tests between 3D files of different disciplines and much more.

*Length: 1 day*

**DATES:** Portland 12/6 | Seattle 9/19

**COST:** \$495 per person

## REVIT® STRUCTURE ESSENTIALS

This class teaches you the fundamental features and functionality of Revit Structure. Through lecture and hands-on exercises, you will learn about Building Information Modeling (BIM), navigate through the program interface, manage views, and identify different types of structural elements. You will also learn how to create levels, work with walls, section, elevations, create floor framing, roofs, steel frames, floor decks, foundation slabs, footings, grade beams, stairs, ramps, and elevator pits. *Length: 3 days*

**DATES:** Portland 12/11-13 | Seattle 10/9-11

**COST:** \$995 per person

## TEAM COLLABORATION MADE EASY

### AUTODESK® REVIT® SERVER

Let the experts remotely install your Revit Accelerators and get your Revit Server working properly. Our knowledgeable staff have setup and activation down to a science. This package offers:

- Prerequisites prior to installation
- Deploy Revit Server and Accelerators
- Configure Revit Server as needed
- Provide overview of use

**COST: \$395**

### AUTODESK® BIM 360® DESIGN

Whether collaborating internally or with consultants, BIM360 Design is the optimal platform for cloud based work-sharing. This package includes remote setup and training:

- Setup and Activate BIM360 Design Project
- Overview BIM360 Design and BIM360 Docs
- Setup BIM360 Design Project and Users
- Project Admin Overview
- Update Revit for BIM360 Design
- Review BIM360 Design within Revit
- View models in the cloud using BIM360 Design

**COST: \$395**



# INFRASTRUCTURE DESIGN SOLUTIONS

## CIVIL 3D® ESSENTIALS

This course provides you with a foundation for using the dynamic technology of Civil 3D. Everything from importing points and creating surfaces to finished corridor/road design will be covered. *Length: 3 days*

**DATES:** Portland | 9/25-27, 11/6-8, 12/18-20  
Seattle | 10/16-18, 11/13-15, 12/11-13

**COST:** \$995 per person

## DESIGNING CORRIDORS AND INTERSECTIONS IN CIVIL 3D®

Our team has fused together the highly successful “Intersection” and “Roadway Design” classes into one fast-paced session. Through interrelated exercises, our goal is to build your confidence in the identification of the many terms, objects and workflows associated within Corridor design and modification. Furthermore, expect to walk away with a clear understanding of the game changing Corridor Targeting functionality and how it relates to your Corridor designs. Join us! *Length: 1 day*

**DATES:** Portland 10/9 | Seattle 12/4

**COST:** \$495 per person

## INCORPORATING SURVEY WITH CIVIL 3D®

Our in-depth one day training course is for civil engineers, surveyors and survey technicians that have completed the Introduction to Civil 3D course. Through hands-on practical exercises, you will further your training in the survey functionality. *Length: 1 day*

**DATES:** Portland 10/24 | Seattle 9/18

**COST:** \$495 per person

## ADVANCED GRADING FOR CIVIL 3D®

### *Making the “Grade” with Civil 3D!*

The versatility of Civil 3D’s powerful Grading tools will transform the way you approach your future designs... Join us as we explore the entire Grading process through a series of interrelated exercises specifically built to expand your knowledge level from one to the next. Along the way, we will apply “best practices” concepts as well as “out-of-the-box” solutions to achieve that final design goal. Whether you are a casual or seasoned user, infinite design possibilities await you! *Length: 1 day*

**DATES:** Portland 10/2 | Seattle 10/30

**COST:** \$495 per person

## PIPING DESIGN IN CIVIL 3D®

This one day course will teach the piping features available in Civil 3D. You will learn how to modify parts using Part Builder, apply pipe rules, create and modify pipe designs, and perform a hydraulic analysis of the pipe network in both a custom spreadsheet and in the Hydraflow Storm Sewers Extension. *Length: 1 day*

**DATES:** Portland 10/23 | Seattle 9/19

**COST:** \$495 per person

## INFRAWORKS® ESSENTIALS

This class is designed for civil engineers, planners, architects, and others using any of the InfraWorks software. The training provides you with a fundamental knowledge of how to take advantage of the accelerated design process that uses data rich 3D models with high-end visualizations. This enables you to create, evaluate and better communicate 3D site plan proposals for faster approvals. *Length: 2 days*

**DATES:** Portland 10/3-4 | Seattle 10/31-11/1

**COST:** \$850 per person

# CIVIL 3D TEMPLATE CREATION

*The expertise behind this template build is it's greatest value.*

**INCREASE**  
PRODUCTIVITY



*To purchase, learn more, or discuss custom options,  
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Manager, Joseph Whitney*

**(800) 247-1927 x50220**

FEATURES	SURVEY	MULTI-DISCIPLINE
5 Inclusive Usability Features including, National CAD Standards & Quick Start Guide.	✓	✓
6 Survey Specific Features; Description Keys, Point Styles, Parcel Objects and more.	✓	✓
Various alignment, profile object & label styles, and profile grid views.	✓	✓
4 Road and Corridor Creation Features including; section/cross section views, 2D/3D visualization, QTO criteria.	✗	✓
Pipe Network Features; part lists, streamlined pipe & structure descriptions, 2D/3D label styles.	✗	✓
	<b>\$795</b>	<b>\$1295</b>



## TOPCON POCKET 3D GNSS ESSENTIALS

This is an introductory hands-on class designed to familiarize new users of Pocket3D to the fundamentals and workflows necessary for everyday field operation. You are encouraged to bring your favorite data collector with Pocket3D and fully charged GPS system.

*Length: 2 days*

**DATES:** Portland | 9/18-19, 11/13-14  
Seattle | 10/23-24, 12/18-19

**COST:** \$389 per person

## TOPCON 3DMC ESSENTIALS

This fundamental skills class for new operators is designed to familiarize you with the basics of RTK GPS, 3DMC user interface, calibration, data management and basic operation. The class will build on the data collected and processed by the Pocket3D class. *Length: 1 day*

**DATES:** Portland | 9/20, 11/15  
Seattle | 10/25, 12/20

**COST:** \$249 per person

## TOPCON MAGNET FIELD CONVENTIONAL ESSENTIALS

Building on data processed from Magnet Tools, this course teaches the fundamental skills every operator will need to become productive using a Conventional or Robotics Total Station. This class will also cover feature coding, mapping, data collection and stakeout. *Length: 1 day*

**DATES:** Portland | 10/18, 12/6  
Seattle | 10/4, 11/8

**COST:** \$249 per person

## TOPCON MAGNET FIELD GPS ESSENTIALS

Building on data processed from Magnet Tools, this course teaches the fundamental skills every operator will need to become productive in RTK GPS using either a Base/Rover or Network configuration. We will cover feature coding, mapping, data collection and stakeout. *Length: 2 days*

**DATES:** Portland | 10/16-17, 12/4-5  
Seattle | 10/2-3, 11/6-7

**COST:** \$389 per person



# PDF MANAGEMENT

## BLUEBEAM REVU ESSENTIALS

Revu is built primarily for technical industries like architecture, engineering, construction, and oil & gas. In this class you will learn the Revu tools to streamline workflows throughout the construction process, from design review to project closeout and facilities management.

*Length: 1 day*

**DATES:** Portland 10/30, 11/27 | Seattle 9/25, 11/6

**COST:** \$495 per person

## BLUEBEAM REVU DOCUMENT MANAGEMENT FOR CONSTRUCTION

In this course, you will learn how to use Revu to organize, navigate, and manage changes within large digital document sets throughout the project lifecycle. Additionally, learn how to use Revu to keep track of all revisions and create easier accessibility to document sets for all project team members.

*Length: 1 day*

**DATES:** Portland 11/29 | Seattle 9/26

**COST:** \$495 per person



## BLUEBEAM REVU FOR PROJECT MANAGERS

Do you find yourself buried in work trying to keep up with planning and documenting your projects? Bluebeam Revu has what you need to obtain a paperless workflow and stay on track! Revu for Project Managers will give you the tools you need to organize your project documents, track revisions, and collaborate through Studio from the field or office!

*Length: 1 day*

**DATES:** Portland 10/31 | Seattle 11/8

**COST:** \$495 per person



## BLUEBEAM REVU FOR TAKEOFF AND ESTIMATING

Are you ready to take Revu to the next level? Are you ready to move into detailed quantity takeoff? Bluebeam Revu has powerful tools to help you do exactly that. Bluebeam Revu for Takeoff and Estimating will take you through Revu's most powerful quantity Takeoff features and show you exactly how to use them, and adapt their properties to your specific needs.

*Length: 1 day*

**DATES:** Portland 11/28 | Seattle 11/7

**COST:** \$495 per person



Revu delivers enhanced PDF-based takeoff and workflow automation tools that span the entire project lifecycle and maximize workflow efficiency.



# TECH SUPPORT

**(877) 774-4897**

## GET ANSWERS. GET BACK TO WORK.

- Unlimited support cases
- 2-hour case acknowledgment
- Dedicated toll-free phone number, email address, or web form to a live, local tech support coordinator to open a case

*Once again the PPI team has helped me resolve an issue quickly and efficiently. I appreciate the support and am confident I can always count on you guys thanks again!!*

*~ Zachary Taylor, Anderson Poolworks*

## BRANDS SUPPORTED



Contact us today to learn more (800) 247-1927



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