

## Course Descriptions for Year 2009 Releases

*This document contains brief descriptions of the Autodesk Official Training Courseware releases supporting the Autodesk software in 2008. Titles are grouped by industry vertical, and are for release through June.*

### Platform Technology

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#### **AutoCAD 2009 / AutoCAD LT 2009 Essentials**

Students learn the features, commands, and techniques for creating, editing, and printing drawings with AutoCAD® 2009 and AutoCAD LT® 2009. Using hands-on exercises, students explore how to create 2D production drawings.

Suggested Course Duration: 3 days  
Page Count: Volume 1 – 420; Volume 2 – 290  
U.S. MSRP: \$71.95  
SKU: 001A1-051001-C100A  
Language(s): English/English

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#### **AutoCAD 2009 Intermediate**

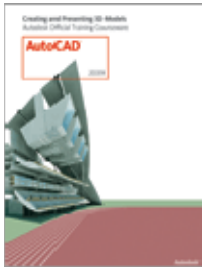
This courseware is designed for the experienced AutoCAD® user who requires additional training. It incorporates the features, commands, and techniques for becoming more productive when creating, annotating, and printing drawings with AutoCAD 2009.

This intermediate-level course continues to build on the basic concepts of the *AutoCAD 2009 Essentials* course.

Hands-on exercises throughout the courseware explore how to create 2D production drawings. The exercises are provided in both a printed format as well as an onscreen format that can be viewed next to AutoCAD.

Suggested Course Duration: 3 days  
Page Count: Volume 1 - 372; Volume 2 - 446  
U.S. MSRP: \$83.95  
SKU: 001A1-050008-1610A  
Language(s): English/English

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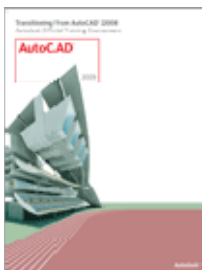


### **AutoCAD 2009 Creating and Presenting 3D Models**

Using hands-on exercises representing real-world, industry-specific design scenarios, students explore the fundamental concepts and workflows for creating 3D models using AutoCAD® 2009. Students learn how to create and modify both solid and surface models. This courseware also teaches students how to present their designs while they are still being created, using visualization tools such as visual styles, model walk and fly throughs, materials, and lighting. Students also learn how to output 3D models from AutoCAD 2009 to either paper or a distributable, electronic version.

Suggested Course Duration: 2 days  
Page Count: 410 pages  
U.S. MSRP: \$71.95  
SKU: 001A1-050008-1620A  
Language(s): English/English

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### **AutoCAD 2009 Transitioning from AutoCAD 2008**

Using hands-on exercises, students learn about the productivity changes from AutoCAD® 2008 to AutoCAD® 2009. Students learn how to efficiently navigate the new ribbon tabs and panels and use the Menu Browser and Quick Access toolbar. This courseware teaches students how the interface works and how to customize it to their specific work style. Students also explore how to create custom action macros using the Action Recorder, which helps save time by automating daily routines. Additionally, students use the ViewCube and the Steering Wheel navigation tools to simplify the navigation of 2D and 3D space. Students learn how to create dynamic presentations by adding camera effects to drawing views using ShowMotion, and finally, students

receive an overview of how to use the DWFx file format for sharing designs with the rest of the world.

Suggested Course Duration: 1 day  
Page Count: 160  
U.S. MSRP: \$47.95  
SKU: 001A1-051001-C105A  
Language(s): English/English

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### **AutoCAD Map 3D 2009 Essentials**

In this courseware, students learn about the features and functions of AutoCAD® Map 3D 2009, including how to create, manage, and analyze mapping data. The courseware guides students through the fundamental and advanced features of AutoCAD Map 3D 2009.

Suggested Course Duration: 3 days  
Page Count: 298  
U.S. MSRP: \$71.95  
SKU: 129A1-051000-C100A  
Language(s): English/English

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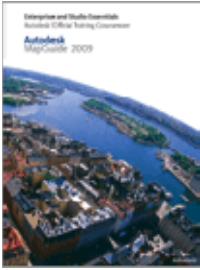


### **AutoCAD Map 3D 2008 Essentials for Geospatial**

In this courseware, students learn about the geospatial features and functions of AutoCAD® Map 3D 2009, including how to create, manage, and analyze geospatial data. Students learn the fundamental and advanced features of the geospatial tools in AutoCAD Map 3D 2009.

Suggested Course Duration: 2 days  
Page Count: 172  
U.S. MSRP: \$59.95  
SKU: 129A1-051000-C105A  
Language(s): English/English

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## **Autodesk MapGuide 2009 Enterprise & Studio Essentials**

In this courseware, students learn about the main features and functions of the Autodesk MapGuide® Enterprise 2009 product suite, including the following:

- Autodesk MapGuide Enterprise Server 2009
- Autodesk MapGuide Enterprise Web Extensions 2009
- Autodesk MapGuide Studio 2009
- Autodesk MapGuide Viewers 2009

The hands-on exercises in this course teach students about the features and benefits of each product. The course teaches students about the concept of managing multiple web-based products that are under development. The courseware introduces students to PHP development with Autodesk MapGuide API 2009. No programming is performed during the class.

Suggested Course Duration: 2 days

Page Count: 240

U.S. MSRP: \$59.95

SKU:

Language(s): English/English

# Architecture

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## **AutoCAD Architecture 2009 Essentials**

Students use AutoCAD® Architecture 2009 to complete drawings on a small commercial building. AutoCAD Architecture 2009 productivity-enhancing tools are used to create plans and detailed drawings. Students also learn how to create a complete construction document set and how to organize their drawings in the Project Navigator.

Suggested Course Duration: 3 days  
Page Count: 444  
U.S. MSRP: \$71.95  
SKU: 185A1-050008-1610A  
Language(s): English/English

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## **Revit Architecture 2009 Essentials**

Students use Revit® Architecture 2009 to learn about building information modeling and the tools for parametric building design and documentation. Students begin the three-day course by learning the fundamental features of Revit Architecture 2009, and then progressing through schematic design and construction documentation, before finishing with design visualization. Students should be able to complete their first Revit Architecture project after completing this course.

This courseware offers both imperial and metric hands-on exercises representing real-world design scenarios.

Suggested Course Duration: 3 days  
Page Count: 474  
U.S. MSRP: \$71.95  
SKU: 240A1-050008-1600A  
Language(s): English/English

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### **Revit Architecture 2009 Advanced**

Students learn a wide range of advanced topics in Revit® Architecture 2009, building on the concepts introduced in the *Revit Architecture 2009 Essentials* course. Students learn about site design, advanced rendering techniques, phasing and design options, creating families of custom components, and collaborating on a design.

This courseware offers both imperial and metric hands-on exercises representing real-world design scenarios.

Suggested Course Duration: 2 days  
Page Count: 294  
U.S. MSRP: \$59.95  
SKU: 240A1-051000-C105A  
Language(s): English/English

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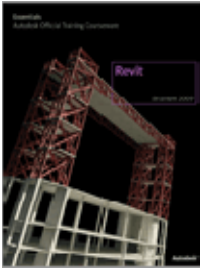
### **Revit Architecture 2009 Migrating to Revit Architecture**

Students learn how to successfully migrate from AutoCAD®, a 2D CAD drawing-based solution, to Revit® Architecture 2009, a 3D building information modeling solution. Students learn how to retain previous investments in 2D content.

This courseware teaches students how to work seamlessly with AutoCAD DWG™ files, including how to migrate site plans and details and make those files smarter within their Revit Architecture 2009 projects. Students also learn techniques for collaborating in a multiplatform environment. This courseware offers both imperial and metric hands-on exercises representing real-world design scenarios.

Suggested Course Duration: 1 day  
Page Count: ~145  
U.S. MSRP: \$47.95  
SKU:  
Language(s): English/English

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## **Revit Structure 2009 Essentials**

Students use Revit® Structure 2009 to learn about building information modeling and the tools for parametric design, analysis, and documentation. Students learn the fundamental features of Revit Structure 2009, use the 3D parametric design tools to create and analyze a project, and finish by learning about construction documentation and design visualization.

This courseware offers both imperial and metric hands-on exercises representing real-world structural design scenarios.

Suggested Course Duration: 3 days

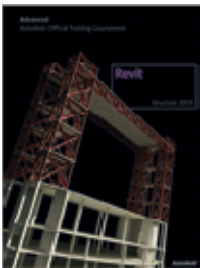
Page Count: 406

U.S. MSRP: \$71.95

SKU: 240A1-051000-C110A

Language(s): English/English

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## **Revit Structure 2009 Advanced**

Students learn a wide range of advanced topics in Revit® Structure 2009, building on the concepts introduced in the *Revit Structure 2009 Essentials* course. Hands-on exercises teach students about detailing and detail components, rebar, families, analytical analysis, as well as how to collaborate on a design with other professionals.

This courseware offers both imperial and metric hands-on exercises representing real-world design scenarios.

Suggested Course Duration: 2 days

Page Count: ~300

U.S. MSRP: \$59.95

SKU: 255A1-051000-C100A

Language(s): English/English

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### **AutoCAD Civil 3D 2009 Essentials**

This foundation-level courseware covers the essentials of AutoCAD® Civil 3D® 2009. This three-day training course is intended to give students comprehensive experience with the features and benefits of AutoCAD Civil 3D. Hands-on exercises throughout the courseware explore how to create 2D and 3D drawings.

Suggested Course Duration: 3 days  
Page Count: 416  
U.S. MSRP: \$71.95  
SKU: 237A1-051000-C100A  
Language(s): English/English;

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### **AutoCAD Civil 3D 2009 *Solution Series* Designing Intersections & Cul-de-Sacs**

Students use AutoCAD® Civil 3D® 2009 to complete the engineering tasks on an intersection and cul-de-sac design. The courseware guides students through one possible design process from the examination of existing site conditions to a final design solution. The primary focus is to teach students how AutoCAD Civil 3D 2009 can be used as a tool to perform common engineering tasks in the modeling and design process with greater accuracy and speed.

Suggested Course Duration: 1 day  
Page Count: 134  
U.S. MSRP: \$47.95  
SKU: 237A1-051000-C105A  
Language(s): English/English

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### **AutoCAD Civil 3D 2009 *Solution Series* Residential Grading**

Students use AutoCAD® Civil 3D® 2009 to complete the engineering tasks on a residential grading design. The courseware guides students through one possible grading design process from the examination of existing site conditions to a final grading solution. The primary focus is to teach students how AutoCAD Civil 3D 2009 can be used as a tool to perform common engineering tasks in the grading process with greater accuracy and efficiency.

Suggested Course Duration: 2 days

Page Count: 220

U.S. MSRP: \$59.95

SKU: 237A1-051000-C110A

Language(s): English/English

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### **Autodesk NavisWorks 2009 Essentials**

In this courseware, using hands-on exercises that demonstrate the functionality of the Autodesk® NavisWorks® 2009 Review, Simulate, and Manage features, students learn how to open, review, and run object-interference checks on 3D models. Students also learn how to link to task-scheduling files and create 3D construction simulations. Using the Animator and Scripter tools, students create interactive animations. In addition, students learn how the Presenter tools can help them to create photorealistic images and animations. This courseware provides students with the skills and knowledge to use NavisWorks 2009 effectively.

Suggested Course Duration: 3 days

Page Count: 328

U.S. MSRP: \$83.95

SKU: 507A1-051000-C100A

Language(s): English/English

# Manufacturing

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## **AutoCAD Electrical 2009 Essentials - IEC (International) Standard**

Students learn how to build intelligent ladder diagrams and panel layouts, and how to leverage this intelligence. The courseware provides an overview of many AutoCAD® Electrical utilities designed to enable users to quickly build and manage electrical-controls drawings. Students learn how to create electrical-controls production drawings. All exercises and datasets with hands on exercises are based on the IEC (international) standard.

Suggested Course Duration: 4 days  
Page Count: Volume 1 - 458; Volume 2 - 406  
U.S. MSRP: \$83.95  
SKU: 225A1-051000-C115A  
Language(s): English/English

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## **AutoCAD Electrical 2009 Essentials - JIC (US) Standard**

Students learn how to build intelligent ladder diagrams and panel layouts, and how to leverage this intelligence. The courseware provides an overview of many AutoCAD® Electrical utilities designed to enable users to quickly build and manage electrical-controls drawings. Students learn how to create electrical-controls production drawings. All exercises and datasets through hands-on exercises are based on the JIC (US) standard.

Suggested Course Duration: 4 days  
Page Count: Volume 1 - 436; Volume 2 - 424  
U.S. MSRP: \$83.95  
SKU: 225A1-051000-C100A  
Language(s): English/English

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### **AutoCAD Mechanical 2009 Essentials**

Students learn the features, tools, and techniques of AutoCAD® Mechanical 2009. The hands-on exercises teach students to create mechanical designs and engineering production drawings efficiently.

Suggested Course Duration: 4 days  
Page Count: Volume 1 - 396; Volume 2 - 316  
U.S. MSRP: \$83.95  
SKU: 206A1-050008-1600A  
Language(s): English/English

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### **Autodesk Inventor 2009 Essentials**

Students learn the fundamental principles of 3D parametric part design, assembly design, and creating production-ready part and assembly drawings using Autodesk® Inventor®. Hands-on exercises representing real-world, industry-specific design scenarios are included.

Suggested Course Duration: 4 days  
Page Count: Volume 1 – 422; Volume 2 - 352  
U.S. MSRP: \$83.95  
SKU: 527A1-051000-C110A  
Language(s): English/English



**Autodesk Inventor 2009  
Transitioning from Autodesk Inventor 2008**

Using hands-on exercises representing real-world, industry-specific design scenarios, students learn the new and enhanced functionalities and workflows in Autodesk® Inventor® 2009. Students learn about the enhancements to part and assembly design, functional design and the Frame Generator, drawing creation, and Inventor Studio. Students also learn about self-draining pipe routes, cable and harness, and dynamic simulation enhancements within Autodesk Inventor 2009 Professional.

Suggested Course Duration: 3 days  
Page Count: 452  
U.S. MSRP: \$71.95  
SKU: 527A1-051000-C100A  
Language(s): English/English

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**Autodesk Inventor 2009  
Advanced Assembly and Machine Design**

In this courseware, students learn the recommended workflows and advanced functionalities for creating 3D assemblies using Autodesk® Inventor™. Students explore the proper techniques and recommended workflows for skeletal modeling, adaptive design, derived design, and functional design. Students also learn how to quickly create steel frame designs, create and document welded designs, and publish custom parts using the Content Center. Hands-on exercises representing real-world, industry-specific design scenarios are included.

Suggested Course Duration: 2 days  
Page Count: 488  
U.S. MSRP: \$71.95  
SKU: 527A1-051000-C105A  
Language(s): English/English



### **Autodesk Inventor 2009 Sheet Metal Design**

Students learn the fundamental principles of sheet metal design using Autodesk® Inventor™ 2009. Students learn how to create and manage sheet metal designs. The course focuses on basic sheet metal concepts and techniques, and builds on them to include complex modeling practices for forming sheet metal parts, assemblies, and drawings. Hands-on exercises representing real-world, industry-specific design scenarios are included.

Suggested Course Duration: 2 days  
Page Count: 428  
U.S. MSRP: \$71.95  
SKU: 527A1-051000-C115A  
Language(s): English/English

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### **Autodesk Inventor Professional 2009 Dynamic Simulation and Stress Analysis**

Using hands-on exercises representing real-world, industry-specific design scenarios, students learn the fundamental principles and recommended workflows for creating dynamic simulations of mechanisms using Autodesk® Inventor™ Professional 2009. Students learn how to validate mechanical designs by simulating the operation of mechanisms and motorized assemblies. They also learn how to share important load information with the Stress Analysis environment.

Suggested Course Duration: 1 day  
Page Count: 228  
U.S. MSRP: \$47.95  
SKU: 462A1-051000-C125A  
Language(s): English/English

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## **Autodesk Productstream 2009 Essentials**

This is a hands-on foundation course covering all features in Autodesk® Productstream® 2009 to enable you to implement automated release and change management processes with complete tracking of bills of materials (BOMs) and related design information. Students also learn how to integrate Autodesk Productstream with other business systems to improve information transfer and reduce errors associated with manual data entry. These integrations enable your extended team to use design information for purchasing, inventory management, and manufacturing.

Hands-on exercises representing real-world design scenarios are included.

Suggested Course Duration: 1 day  
Page Count: 266  
U.S. MSRP: \$47.95  
SKU: 244A1-051000-C100A  
Language(s): English/English

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## **Autodesk Vault 2009 Essentials**

This courseware covers all features in Autodesk® Vault for managing files and projects. Students learn how to organize and share files, manage file versions, work in multi-user environments, and integrate Autodesk Vault with various Autodesk products, including how to install and manage Autodesk Vault.

Hands-on exercises representing real-world design scenarios are included.

Suggested Course Duration: 3 days  
Page Count: 354  
U.S. MSRP: \$71.95  
SKU: 463A1-051000-C100A  
Language(s): English/English

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