AutoCAD Architecture Advanced Training

This class is designed to be a minimum of three days and is directed at the user that has learned the basics of the software and desires to learn how to use more advanced features of AutoCAD Architecture. The student should have completed a Fundamentals class, or have the equivalent practical experience with AutoCAD Architecture.

Learning Objective
Using the AutoCAD Architecture 2009 software, the participant will learn concepts directed toward Preliminary Design, customizing content, and creating custom walls, doors, and windows.

General Style Information
Using the Style Manager
General Style Properties
Working With Materials, Classifications, and Display Properties

Wall Tools
Creating and Changing Wall Modifiers
Miscellaneous Wall Tools
Complex Wall Shapes

Advanced Sections and Elevations
Horizontal and Vertical Sections
Subdivisions, Linework, Material Boundaries

Massing Studies
Mass Elements and Mass Groups
Converting Mass Elements to Walls
Creating Display Theme Styles

Space Planning
Modifying Spaces
Grouping Spaces into Zones
Evaluating Space Information
Display Themes and Spaces

Architectural Object Styles
Creating Door, Window, and Space Styles

Annotation Object Styles
Schedule Table Styles
AEC Dimension Styles and the AEC Dimension Style Wizard

Curtain Wall and Door/Window Assembly Styles
Customizing Content
Customizing Tool Palettes
Using the Content Browser
Creating Multi-View Blocks
Creating Custom Content

Project Standards
Layer Standards and Overrides
Display Control Basics
Changing Object Display Properties
Setting Up New Display Controls

About the Instructor:
Doug Bowers, AIA
Doug Bowers combines 30 years of architecture/engineering/construction (AEC) experience with 20 years experience in managing and consulting in the use of various design software packages.

Doug recently worked on projects for a multi-office multi-disciplinary firm using Revit and AutoCAD Architecture. He served in roles of Project Manager, Project Architect, and Project BIM Manager. Doug was also a member of the BIM Implementation Team, the CADD Committee, and Project BIM Manager for a multi-company $130 million Revit-based project. Doug's prior experience with Revit was instrumental in helping the organization adapt to utilizing Revit and Building Information Modeling. Doug performed Revit new user training for employees, as well as weekly Revit lunch 'n learns for employee ongoing training.

Doug's experience also includes working as a Senior Consultant for a nationwide Autodesk Value-Added-Reseller. In this role, Doug assisted client companies with implementation of Revit and AutoCAD Architecture. He provided custom training for both users and CAD Managers, in addition to standardized training sessions for various levels of difficulty. Client software version upgrade customizations and training were also an important part of his position. Doug routinely spoke to companies about utilizing BIM software and the impact it would have on their organization.

Doug spent over 7 years managing design software for a 16-office nationwide architectural firm. As the Director of CADD Technologies, Doug was responsible for management of regional office CADD Managers, in addition to all customization and implementation of the design software. He developed standard training for all new CADD users and conducted customized training sessions throughout the offices.

Doug's 30 years of experience in the AEC industry includes the project types of retail, education, offices, justice/detention, churches, medical, warehouses, and manufacturing. His project roles during that time include Project Manager, Project Architect, and Design-Build Manager. Throughout his career, he has been instrumental in combining architecture and design software technology to increase the organization's productivity.