

## Technical Education Services

### Autodesk® Revit® Architecture Conceptual Design & Visualization



Course Length: 1 day

As architects and designers start a project, they frequently think about the overall massing of a building or the area of the footprint. The Autodesk® Revit® Architecture software, using its powerful Building Information Modeling (BIM) engine, includes tools for creating mass elements that can be modified into many shapes. You can then apply walls, roofs, and floors to them to continue designing. You can also access space planning tools for setting up areas for rooms and applying colors to them to show the connections. For presentations, you can create and render perspective views.

The objective of the Autodesk Revit Architecture Conceptual Design & Visualization training guide is to enable students who have worked with Autodesk Revit Architecture to expand their knowledge in the areas of Conceptual Design, including massing studies, space planning, visualization, and rendering.

Students learn how to:

- Create In-Place Conceptual Mass elements and Conceptual Mass
- Create building elements from massing studies
- Use Rooms and Areas for space planning and analysis
- Create perspectives, walkthroughs, and solar studies
- Understand the concepts of rendering and lighting

For the current course  
schedule and to register  
for this course:

Web: [redstack.com.au](http://redstack.com.au)

Phone: 1300 667 263



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### Prerequisites:

Students should be comfortable with the fundamentals of the Autodesk Revit software as taught in the Autodesk Revit Architecture Fundamentals course. Knowledge of basic techniques is assumed, such as creating walls, roofs, and other objects, copying and moving objects, creating and working with views, etc.

Collaboration Tools, BIM Management, and Site and Structural Design are taught in additional courses.

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- 1.3 Creating Conceptual Massing
- 1.4 Setting Work Planes
- 1.5 Creating Mass Forms
- 1.6 Dynamic Editing for Conceptual Massing
- 1.7 Working with Profiles and Edges
- 1.8 From Massing to Building

### Chapter 2: Space Planning & Area Analysis

- 2.1 Space Planning
- 2.2 Area Analysis
- 2.3 Creating Color Schemes

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### Chapter 3: Visualization

- 3.1 Perspectives
- 3.2 Creating Walkthroughs
- 3.3 Exploded Views
- 3.4 Solar Studies

### Chapter 4: Rendering

- 4.1 Basic Rendering
- 4.2 Working with Lighting
- 4.3 Enhancing Renderings

### Appendix A Advanced Conceptual Mass Families

- A.1 Conceptual Mass Families

### Appendix B Revit 2014 Certified Professional in Architectural Design Exam Objectives

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### Cancellation Policy

The following cancellation policy shall apply to all training and consulting engagements including customised training solutions:

Redstack reserves the right to reschedule or cancel the date, time and location of its class at any time. In the event that a Training Class is cancelled by Redstack, Customer is entitled to a full refund. Redstack shall not be responsible for any other loss incurred by Customer as a result of a cancellation or reschedule.

For Customer cancellations when written notice is received (i) at least ten (10) business days in advance of the class, Customer is entitled to a full refund of its payment or reschedule enrolment, (ii) less than ten (10) business days, Customer shall not be entitled to a refund, but shall receive a class credit to be used within three (3) months of the date of the original class.

Student substitutions are acceptable with at least two (2) days prior notice to the class, provided substitution meets course prerequisites and is approved by Redstack

For all Training orders, cancellation notices must be submitted in writing. Redstack is not responsible for any error in the delivery of the email notice. In the event of any reschedule of any training or consulting services by Customer, Redstack will invoice Customer for all non-cancellable travel expenses.

For more information, contact us on 1300 667 263.