# CAD224 Revit Architecture

## Course Description

Introduces students to the AutoDesk Revit Architecture software. Examines the Building Information Modeling approach to 2D and 3D architectural construction documents. Students will create floorplans, elevations, sections, 3D models, perspective renderings and animations with this software application.

## Course Competencies

1. Demonstrate the ability to use the Revit user interface
2. Demonstrate the ability to Open, Save & Close an existing Project
3. Demonstrate the ability to start and create a new Project
4. Demonstrate the ability to use Pan & Zoom to view your drawings
5. Demonstrate the ability to model, and modify walls, wall properties.
6. Create and define walls, door and windows and modify the styles in the project.
7. Assemble roofs
8. Construct and create floor systems
9. Create ceiling systems
10. Apply light fixtures to each level.
11. Create parametric exterior elevations
12. Prepare parametric interior elevations
13. Create Sections
14. Create floor plan details
15. Prepare and include door, window, and finish schedules
16. Create interior and exterior photo realistic rendering
17. Complete a construction document set