

Anoka Technical College

ARCH 2027: Intermediate Revit Architecture 3-D CAD

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites:

This course requires the following prerequisite
ARCH 2025 - Revit Architectural 3D CAD

Corequisites: None

MnTC Goals: None

This course is designed to build on the fundamental understanding and skills of a beginning Revit Architecture user. The primary objective of this intermediate course is to expand the student's knowledge of the power of BIM (building information modeling). The student will complete a residential project and all the required software settings and sheet set up for construction drawings. Also, 3-D modeled rendering will be emphasized and the student will create a simple walk through of the project. (Prerequisites: ARCH 2025 or by instructor approval of prior Revit Architecture experience)(1 credit lecture/1 credit lab)

B. COURSE EFFECTIVE DATES: 12/09/2009 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Adjust Revit system settings to industry standards.
2. Modify a drawing family.
3. Create a detail library.
4. Create a title block with adjustable parameters.
5. Create a walk through view sequence.
6. Create callout drawing references.
7. Create construction drawing sheets for plotting to industry standards.
8. Create schedules for material take offs.
9. Enable worksets for work sharing.
10. Import & export CAD files that interface with Revit.

E. Minnesota Transfer Curriculum Goal Area(s) and Competencies

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted