

Anoka Technical College

ARCH 2029: Advanced Revit 3D CAD

A. COURSE DESCRIPTION

Credits: 3

Lecture Hours/Week: 1

Lab Hours/Week: 4

OJT Hours/Week: *.*

Prerequisites:

This course requires the following prerequisite

ARCH 2027 - Intermediate Revit Architecture 3-D CAD

Corequisites: None

MnTC Goals: None

This course will focus on the creation of building information model for a commercial building, resulting in a construction drawing set. Topics covered include advanced modeling commands, linking CAD drawings, worksets, rendering techniques and the creation of 3D family objects. (Prerequisite: ARCH 2027)(1 credit lecture/2 credits lab)

B. COURSE EFFECTIVE DATES: 01/13/2014 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Examine a commercial building preliminary design.
2. Import and export CAD files that interface with Revit.
3. Adjust Revit system settings to industry standards.
4. Operate Revit construction and modify tools.
5. Enable worksets for work sharing.
6. Create schedules for material take-offs.
7. Coordinate drawing reference symbols.
8. Create a detail library.
9. Modify a drawing family.
10. Create construction drawing sheets for plotting to industry standards.
11. Critique and correct the final construction drawing project.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted