



South Central College

BDET 1250 REVIT

Course Outcome Summary

Course Information

Description	This is an introductory 3D computer-aided course that takes a practical hands-on approach to the use, operations, and methods of Revit. It includes the following: detailing and drafting views, construction documentation, and the basics of building modeling. (Prerequisites: BDET 1150, BDET 1110)
Total Credits	2
Total Hours	48

Types of Instruction

Instruction Type

Credits/Hours

Lecture

On-Campus Lab

Pre/Corequisites

BDET 1110 Studio I

BDET 1150 Autocad

Institutional Core Competencies

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

Course Competencies

1. Demonstrate an understanding of Building Information Modeling

Learning Objectives

Demonstrate an understanding of BIM for architectural design.
Develop an awareness of Building Information Modeling
Understand the BIM terminology.

2. Demonstrate an understanding of Revit Architecture basics

Learning Objectives

Explore the User Interface
Demonstrate an understanding of revit elements and families.

Start a revit project.

3. Construct and modify drawings.

Learning Objectives

Create template drawing files.
Demonstrate an understanding of modifying levels and grids.
Demonstrate the use of editing tools

4. Construct component families

Learning Objectives

Create component families.
Demonstrate an understanding of modifying component families
Understand the basic of component families.

5. Create Building Model views

Learning Objectives

Demonstrate knowledge of creating callout views.
Demonstrate knowledge of detailing views.
Demonstrate knowledge of drafting with views.

6. Create text, dimensions, leaders, and other construction document entities.

Learning Objectives

Create and modify schedules
Use editing tools
Place dimensions and tags

SCC Accessibility Statement

South Central College strives to make all learning experiences as accessible as possible. If you have a disability and need accommodations for access to this class, contact the Academic Support Center to request and discuss accommodations. North Mankato: Room B-132, (507) 389-7222; Faribault: Room A-116, (507) 332-7222.

Additional information and forms can be found at: www.southcentral.edu/disability

This material can be made available in alternative formats by contacting the Academic Support Center at 507-389-7222.