



South Central College

## BDET 2140 Building Codes

### Course Outcome Summary

#### Course Information

<b>Description</b>	The course will involve the current International Building Code (IBC), Chapter 1341 Minnesota Accessibility Code, International Residential Code, and Minnesota Energy Code. This class will address the understanding of the building codes as they relate to the residential and commercial sector. (Prerequisite: BDET 1210)
<b>Total Credits</b>	2
<b>Total Hours</b>	32

#### Types of Instruction

Instruction Type	Credits/Hours
Lecture	2/32

#### Pre/Corequisites

BDET 1210

#### Institutional Core Competencies

Civic Engagement and Social Responsibility - Students will be able to demonstrate the ability to engage in the social responsibilities expected of a community member.

Cultural Competence - Students will be able to demonstrate an attitude of personal curiosity, a rising knowledge of cultures, and an evolving range of skills for living and working among others with other worldviews and ways of life.

#### Course Competencies

##### 1. Develop an awareness of Commercial Building Codes

###### Learning Objectives

- Define how the IBC impacts the building construction industry
- Describe what impacts the ADA has on the building construction industry
- Explain how the Minnesota Energy Code impacts the building construction industry

##### 2. Demonstrate the uses of International Residential Code

###### Learning Objectives

- Explain major code infractions
- Identify the building permit requirements
- Demonstrate knowledge of code compliant details

**3. Apply the definitions of the International Residential Code**

**Learning Objectives**

Demonstrate an understanding of code definitions  
Interpret the codes that apply to residential design  
Demonstrate an awareness of code compliant construction

**4. Acknowledge Commercial Building Codes dictate various construction processes**

**Learning Objectives**

Research and sketch various construction details with specific parameters from the IBC (Project Specific)  
Research and sketch various construction details with specific parameters from the ADA (Project Specific)  
Research and sketch various construction details with specific parameters from the Minnesota Energy Code (Project Specific)

**5. Apply codes and ordinances to various construction processes**

**Learning Objectives**

Identify areas where ordinances, codes, and regulations apply  
Identify specific details on construction documents relating to ordinances and codes  
Interpret and solve project specific problems  
Communicate clearly through writing and speech while maintaining a professional demeanor

**6. Develop an understanding of MN Accessibility codes and regulations**

**Learning Objectives**

Demonstrate an understanding of ADA requirements  
Explain the effects of ADA in reference to residential and commercial design  
Identify ADA-related clearances and associated dimension

**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](http://www.southcentral.edu/disability)

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