



South Central College

# ARCH 1204 Building Codes

## Common Course Outline

### Course Information

**Description** An exploration of state and local building codes as they relate to the residential and commercial building sector. Students will develop an understanding of the current Minnesota Building Code (IBC), Minnesota Residential Code (IRC), Minnesota Accessibility Code (ADA), and Minnesota Energy Code. Emphasis on the process of analyzing and applying the building code for architectural design and document production.

**Total Credits** 2

**Total Hours** 32

### Types of Instruction

Instruction Type	Credits/Hours
Lecture	2/32

### 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 Outcomes

#### 1. Develop an awareness of state and local building codes

##### Learning Objectives

- Introduce the Minnesota Building Code and navigate the online code interface
- Introduce the Minnesota Residential Code and navigate the online code interface
- Introduce the ADA and navigate the online code interface
- Introduce the Minnesota Energy Code and navigate the online code interface
- Introduce municipal planning and zoning codes and navigate the online code interface

#### 2. Develop an understanding of the Minnesota Building Code

##### Learning Objectives

- Explain the code definitions of the Minnesota Building Code
- Interpret the codes that apply to commercial design
- Demonstrate an awareness of code compliant construction

#### 3. Develop an understanding of the Minnesota Residential Code

### Learning Objectives

Explain the code definitions of the Minnesota Residential Code  
Interpret the codes that apply to residential design  
Demonstrate an awareness of code compliant construction

#### 4. Develop an understanding of MN Accessibility Code

### Learning Objectives

Explain the code definitions of the MN Accessibility code  
Interpret the codes that apply to residential and commercial design  
Demonstrate an awareness of code compliant construction  
Identify ADA-related clearances and associated dimension

#### 5. Apply codes and ordinances to construction processes

### Learning Objectives

Explain the code definitions of the MN Accessibility code  
Interpret the codes that apply to residential and commercial design  
Demonstrate an awareness of code compliant construction  
Identify ADA-related clearances and associated dimension

#### 6. Create code related construction document content for a building project

### Learning Objectives

Develop an industry standard life safety plan  
Perform a code analysis and record data per industry standard  
Calculate and diagram residential wall bracing requirements

### SCC Accessibility Statement

Disability Services provides accommodations and other supports to students with permanent and temporary disabilities that affect their SCC experience. Disabilities may include mental health (anxiety, depression, PTSD), ADHD, learning disabilities, chronic health conditions (migraine, fibromyalgia), sensory disabilities, and temporary disabilities (broken arm, surgery). Common accommodations are extended test time, private room for testing, audiobooks, and sign language interpreter.

Contact us: Faribault A116 (507) 332-5847. North Mankato E112 (507) 389-7222. [ds@southcentral.edu](mailto:ds@southcentral.edu)  
[www.southcentral.edu/disability](http://www.southcentral.edu/disability)

### Grading Scale

Each project, quiz, activity, and assignment will have an assigned possible number of points. Points will be awarded based on correctness of work. The total of all points earned will be divided by the maximum possible to determine a percentage. Late assignments will be accepted anytime until the semesters end **Any work handed in late (regardless of duration) will incur a 10% deduct from the grade for that instance.**

#### Grades will be based on the following percentage of points earned

A	92-100
A-	90-91.9
B+	87-89.9
B	83-86.9
B-	80-82.9
C+	77-79.9
C	73-76.9
C-	70-72.9

Note: Grades below 70% will not count towards degree completion, course must be repeated

D+	67-69.9
D	63-66.9

D-	60-62.9
F	Below 60

## Attendance Expectation

Class attendance / participation contributes significantly to academic success. Students who attend classes regularly tend to earn higher grades and have higher passing rates in courses. Excessive absences may jeopardize your grades or even your ability to continue in this course. **Class participation will be part of your grade! The following will apply in all ARCH program courses:**

- An absence is excused ONLY if the student contacts the instructor BEFORE class.
- If you are absent from class for any reason, you are responsible for all missed work and for contacting the instructor promptly.
- Unexcused absences for 3 consecutive class sessions will reduce your final grade by 10% after the first occurrence and automatic course failure after the second occurrence. Overall attendance falling below 50% will result in automatic course failure.
- Online attendance is available at the instructor's discretion. It is reserved for extenuating circumstances and is NOT a replacement for attendance.