

Anoka Technical College

ARCH 1031: Building Systems

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 2

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites:

This course requires the following prerequisite

ARCH 1000 - Residential Construction

Corequisites: None

MnTC Goals: None

The architectural technician needs to understand all components of a building, including: plumbing, heating/air conditioning and ventilation (HVAC), electricity and insulation R-values. An overview of each component will be covered through lecture, illustrated examples and projects. (Prerequisites: ARCH 1000)(2 credits lecture/0 credits lab)

B. COURSE EFFECTIVE DATES: 05/22/2006 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. HVAC system
2. Plumbing system
3. Electrical systems
4. Insulation techniques

D. LEARNING OUTCOMES (General)

1. Compute building assembly R-Values.
2. Calculate building heat loss.
3. Illustrate water supply system.
4. Sketch schematic ductwork layout.
5. Sketch schematic electrical layout.

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted