

# Dakota County Technical College

## **ELEC 2260: Heating, Ventilation, and Air Conditioning Wiring Theory and Lab**

### **A. COURSE DESCRIPTION**

Credits: 3

Lecture Hours/Week: 1

Lab Hours/Week: 2

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the use of materials and design of materials and equipment for heating, ventilating, and air conditioning residential, commercial and industrial buildings. Prerequisite: ELEC1230 and ELEC1240.

**B. COURSE EFFECTIVE DATES:** 08/25/2008 - Present

### **C. OUTLINE OF MAJOR CONTENT AREAS**

### **D. LEARNING OUTCOMES (General)**

1. calculate HVAC loads
2. demonstrate design of heating controls
3. demonstrate programming of damper controls
4. identify HVAC components
5. identify basic furnace logic
6. identify electrical heating systems components
7. identify humidifier systems
8. recall residential furnace systems
9. recall types of electric heat systems

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

None

### **F. LEARNER OUTCOMES ASSESSMENT**

As noted on course syllabus

### **G. SPECIAL INFORMATION**

None noted