

# Minnesota State College Southeast

## **ELEC 1402: Introduction to Home Technologies**

### **A. COURSE DESCRIPTION**

Credits: 4

Lecture Hours/Week: 4

Lab Hours/Week: \*.\*

OJT Hours/Week: \*.\*

Prerequisites: None

Corequisites: None

MnTC Goals: None

The course provides an introduction to residential audio, data and video distribution, and control systems. The student will learn about the basic concepts, terminology, equipment, and the techniques that are utilized in the installation and repair of DHTI systems. The student will configure, analyze, trouble shoot basic electronic and digital home systems. (Prerequisites: ELEC1214 Intro to Solid State) (4 credits: 4 lecture/0 lab)

**B. COURSE EFFECTIVE DATES:** 02/18/2011 - Present

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

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

1. Analyze DHTI components
2. Identify analog transmission
3. Identify audio components
4. Identify digital transmission
5. Identify data networking components
6. Analyze network function
7. Identify video components
8. Analyze network topologies
9. Identify control 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