

Minnesota State College Southeast

ELEC 2264: Design Project

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: *.*

Lab Hours/Week: 2

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

This course covers the building, testing and documenting of a project. The student will apply knowledge and skills gained in the program to complete a project of their choice. (Prerequisite: None) (1 Credit: 0 lecture/1 lab)

B. COURSE EFFECTIVE DATES: 05/21/1998 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

1. Develop parts list
2. Breadboard design
3. Write report

D. LEARNING OUTCOMES (General)

1. Select appropriate projec
2. Develop parts list
3. Draw block diagram
4. Develop block diagram
5. Draw diagram
6. Develop wiring diagram
7. Breadboard design
8. Interpret data sheets
9. Build project
10. Verify specifications
11. Select components
12. Test operation
13. Assemble project
14. Write report

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted