

Dakota County Technical College

HCEM 2280: Climate Control

A. COURSE DESCRIPTION

Credits: 2

Lecture Hours/Week: 1

Lab Hours/Week: 1

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

Students will be taught how to perform routine maintenance and troubleshooting procedures in order to identify and repair or replace faulty components within a climate controlled cab in heavy construction equipment. Air-conditioning theory will be discussed.

Prerequisites: HCEM1101, HCEM1130, and HCEM2135.

B. COURSE EFFECTIVE DATES: 06/03/2002 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. identify safety procedures
2. explain first aid procedures
3. demonstrate safety goggle usage
4. use service/maintenance manuals
5. identify basic A/C components and operation
6. test system
7. troubleshoot system

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted