

Dakota County Technical College

HCEM 1170: CAT Basic Training I

A. COURSE DESCRIPTION

Credits: 1

Lecture Hours/Week: 1

Lab Hours/Week: *.*

OJT Hours/Week: *.*

Prerequisites: None

Corequisites: None

MnTC Goals: None

The student will gain an understanding of the Caterpillar engine and product line with basic fundamentals of the diesel engine.

B. COURSE EFFECTIVE DATES: 12/08/2010 - Present

C. OUTLINE OF MAJOR CONTENT AREAS

D. LEARNING OUTCOMES (General)

1. Caterpillar 3000 series engine line
2. Tier 1 and Tier 2 engines
3. differences between B and non-B engines
4. operate four stroke engine
5. systems required to make the 4 stroke engine operate
6. identify the features of the digital multimeter
7. service Caterpillar wiring and connectors

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

None

F. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

G. SPECIAL INFORMATION

None noted