Hibbing Community College

HCT 1520: Refrigerant Certification

A. COURSE DESCRIPTION

Credits: 2
Lecture Hours/Week: 2
Lab Hours/Week: *, *
OJT Hours/Week: *, *
Prerequisites: None
Corequisites: None
MnTC Goals: None

Refrigerant certification covers the information required to successfully pass section 608 of the Clean Air Act (1990). This course also covers information regarding the recovery, recycling, and reclamation of refrigerants, as well as new laws governing the use of refrigerants. Students are given the opportunity to take an EPA refrigerant certification exam after completion of this course.

A. COURSE EFFECTIVE DATES: 08/26/2013 - Present

B. OUTLINE OF MAJOR CONTENT AREAS

1. Core
2. Type I Certification
3. Type II Certification
4. Type III Certification
5. Universal Certification

C. LEARNING OUTCOMES (General)

1. Students will determine proper evacuation levels and leak rates.
2. Students will identify three different types of technician certification.
3. Students will describe the problems associated with mixing of refrigerants.
4. Students will describe the theory of stratospheric ozone depletion and global warming.
5. Students will obtain federal EPA certification to either Type I, Type II or Type III.
6. Students will explain EPA requirement pertaining to technician certification.
7. Students will explain the EPA requirements regarding labeling and shipping of refrigerants cylinders.
8. Students will explain the EPA requirements regarding the paper trail for refrigerant usage.

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

None

E. LEARNER OUTCOMES ASSESSMENT

As noted on course syllabus

F. SPECIAL INFORMATION
HCC COMPETENCIES MET:
Working Productively and Cooperatively
Thinking Creatively and Critically

STUDENT CONTRIBUTIONS:
The student is expected to attend all lectures and working sessions, participate in activities and discussion, listen to and follow direction, complete assignments on time and request assistance when needed. Each student is expected to spend the necessary time to become adept at the procedures and their applications. At all times the student is expected to demonstrate and exercise safety skills and procedures.

STUDENT ASSESSMENT SHALL TAKE PLACE USING INSTRUMENTS SELECTED/DEVELOPED BY THE COURSE INSTRUCTOR.

AASC APPROVAL DATE: January 17, 2018
REVIEW DATE: January 2023