COMMON COURSE OUTLINE: Course discipline/number/title: BU 2530: Refrigeration Certification

A. CATALOG DESCRIPTION
1. Credits: 1
2. Hours/Week: 1
3. Prerequisites (if any): None
4. Co-requisites (if any): None
5. MnTC Goals (if any): NA

This course is designed to assist refrigeration and air conditioning technicians in becoming successfully certified. Technician will be EPA approved and certified in the areas tested that include Type I, II, III, or Universal if all sections are passed. Recommended Entry Skills/Knowledge: High School Diploma or GED.

B. DATE LAST REVISED (use current date): April, 1997

C. OUTLINE OF MAJOR CONTENT AREAS:
1. Refrigerant Management
2. Recycle, Recovery and Reclaim

D. LEARNING OUTCOMES (GENERAL): The student will be able to:
1. Understand applications and chemistry of refrigerants.
2. Understand the application of refrigeration oils.
3. Address the theory of depletion of the ozone.
4. Address the international agreement of the Montreal Protocol.
5. Understand the EPA legislation and regulations.
6. Explain the importance of recover, recycling, and reclamation.
7. Understand safe handling and transporting of refrigerants.
8. Understand conservation, service, and testing of refrigerants.
10. Understand high pressure and low-pressure industrial/commercial chillers.
11. Understand history of refrigerants.
12. Understand safety code for mechanical refrigeration.
13. Understand related forms, logs, and reports.

E. LEARNING OUTCOMES (MNTC): NA

F. METHODS FOR EVALUATION OF STUDENT LEARNING:
Tests

G. SPECIAL INFORMATION (if any): None