

## **AIRC 121**

### **EPA refrigerant Certification Preparatory Course and Test**

1 Credit (1 Lecture hour per week)

Community College of Baltimore County  
Common Course Outline

#### **Description**

**AIRC 121 – EPA Refrigerant Certification Preparatory Course and Test:** reviews the Environmental Protection Agency (EPA) regulations and procedures to properly handle refrigerants and prepares students for the EPA Technician Examination. Field experience is beneficial as the topics are covered quickly and assumes the student has prior knowledge. An additional fee is required for the test.

**Pre-requisites: AIRC 115 or approval of the program coordinator, EPA Certification Test fee required**

#### **Overall Course Objectives**

Upon completion of this course, students will be able to:

1. list the various levels of certification and how they apply to HVAC equipment;
2. describe the global impact of certification;
3. follow proper techniques to minimize any refrigerant release as allowed;
4. practice safe working conditions and precautions when working with refrigerants; and
5. prepare for test as given in accordance with EPA standards.

#### **Major Topics**

- I. History of standards
- II. Level of certification
- III. Refrigerant systems and refrigerants
- IV. Safety and environment
- V. Certification test

#### **Course Requirements**

Grading will be determined by the individual faculty member, but shall include the following, at minimum:

- One (1) – two (2) quizzes
- One (1) – two (2) homework assignments
- Attendance and participation
- Final day of class the EPA Certification test is given in accordance with federal flight

Written assignments and research projects: Students are required to use appropriate academic resources in their research and cite sources according to the style selected by their professor.

The Common Course Outline (CCO) determines the essential nature of each course.

For more information, see your professor's syllabus.

### **Other Course Information**

This course is a Heating, Ventilating, Air Conditioning and Energy program requirement and Advanced Certificate core course.

Date Revised: 6/5/2009

The Common Course Outline (CCO) determines the essential nature of each course.  
For more information, see your professor's syllabus.