

**Course Information**

<b>Course Title</b>	EPA Recovery Certification Preparation
<b>Course Prefix, Num. and Title</b>	HART 1356 EPA Recovery Certification Preparation
<b>Division</b>	Vocational Science
<b>Department</b>	Air Conditioning, Heating, Refrigeration and Electrical Technology
<b>Course Type</b>	WECM Course
<b>Course Catalog Description</b>	Certification training for HVAC refrigerant recovery, recycle, and reclaim. Instruction will provide a review of EPA guidelines for refrigerant recovery and recycling during the installation, service, and repair of all HVAC and refrigeration systems.
<b>Pre-Requisites</b>	None
<b>Co-Requisites</b>	Enter Co-Requisites Here.

**Semester Credit Hours**

<b>Total Semester Credit Hours (SCH): Lecture Hours:</b>	3:3:1
<b>Lab/Other Hours</b>	
<b>Equated Pay Hours</b>	3.5
<b>Lab/Other Hours Breakdown: Lab Hours</b>	1
<b>Lab/Other Hours Breakdown: Clinical Hours</b>	Enter Clinical Hours Here.
<b>Lab/Other Hours Breakdown: Practicum Hours</b>	Enter Practicum Hours Here.
<b>Other Hours Breakdown</b>	List Total Lab/Other Hours Here.

**Approval Signatures**

<b>Title</b>	<b>Signature</b>	<b>Date</b>
<b>Prepared by:</b>		
<b>Department Head:</b>		
<b>Division Chair:</b>		
<b>Dean/VPI:</b>		
<b>Approved by CIR:</b>		

## Additional Course Information

**Topical Outline:** Each offering of this course must include the following topics (be sure to include information regarding lab, practicum, and clinical or other non-lecture instruction).

- Recovery
- Recycle
- Reclaim
- EPA guidelines
- Type I
- Type II
- Type III

### Course Learning Outcomes:

**Learning Outcomes – Upon successful completion of this course, students will:**

1. Define refrigerant recovery, recycle, and reclaim
2. Explain refrigerant recovery, recycle, and reclaim procedures
3. Identify Type I, II, and III appliances
4. Examine Section 608 of the Clean Air Act of 1990 Refrigerant, Recycle, Recovery, and Reclaim

### Methods of Assessment:

- 1) Quiz and chapter questions
- 2) Quiz and chapter questions
- 3) Quiz and chapter questions
- 4) Quiz and chapter questions

### Required text(s), optional text(s) and/or materials to be supplied by the student:

Refrigeration & Air Conditioning Technology  
Delmar Cengage Learning ISBN 13:978-1-4283-1936-3

### Suggested Course Maximum:

30

**List any specific or physical requirements beyond a typical classroom required to teach the course.**

Air Conditioning, Heating, Refrigeration, and Electrical - Lab

**Course Requirements/Grading System:** Describe any course specific requirements such as research papers or reading assignments and the generalized grading format for the course.

90% to 100%	= A
80% to 89%	= B
70% to 79%	= C
60% to 69%	= D
Below 60%	= F

The semester final grade is based on the percentage basis between daily lab work, daily classroom assignments, and semester final.

Daily lab work counts for 50% of final: Daily Classroom work is 20% of final: End of semester written final and lab final is 30% of final average.

**Curriculum Checklist:**

- Administrative General Education Course** (from ACGM, but not in WCJC Core) – No additional documents needed.
- Administrative WCJC Core Course.** Attach the Core Curriculum Review Forms
  - Critical Thinking
  - Communication
  - Empirical & Quantitative Skills
  - Teamwork
  - Social Responsibility
  - Personal Responsibility
- WECM Course** -If needed, revise the Program SCANS Matrix and Competencies Checklist