

Washtenaw Community College Comprehensive Report

UAT 159 Teaching HVACR Service Apprenticeship Curriculum (UA 6000) Effective Term: Fall 2020

Course Cover

Division: Advanced Technologies and Public Service Careers

Department: United Association Department

Discipline: United Association Training

Course Number: 159

Org Number: 28200

Full Course Title: Teaching HVACR Service Apprenticeship Curriculum (UA 6000)

Transcript Title: HVACR Srvc Apprenticeship 6000

Is Consultation with other department(s) required: No

Publish in the Following:

Reason for Submission: New Course

Change Information:

Rationale: New United Association course.

Proposed Start Semester: Fall 2020

Course Description: This course is intended to assist students in developing and presenting classroom instruction in the subtopics relating to the five-year Heating, Ventilating, Air Conditioning, and Refrigeration (HVACR) Apprenticeship Training Program. Students will identify the subject matter that makes up a five-year program along with the creation of a syllabus and lesson plan to be used as a model at their local Training Center. Limited to United Association program participants.

Course Credit Hours

Variable hours: No

Credits: 1.5

The following Lecture Hour fields are not divisible by 15: Student Min ,Instructor Min

Lecture Hours: Instructor: 22.5 Student: 22.5

The following Lab fields are not divisible by 15: Student Min, Instructor Min

Lab: Instructor: 1.5 Student: 1.5

Clinical: Instructor: 0 Student: 0

Total Contact Hours: Instructor: 24 Student: 24

Repeatable for Credit: NO

Grading Methods: Letter Grades

Audit

Are lectures, labs, or clinicals offered as separate sections?: NO (same sections)

College-Level Reading and Writing

College-level Reading & Writing

College-Level Math

Requisites

General Education

Degree Attributes

Below College Level Pre-Reqs

Request Course Transfer

Proposed For:

Student Learning Outcomes

1. Identify the subjects and subtopics that make up a five-year HVACR program.

Assessment 1

Assessment Tool: Worksheet

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Rubric

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. Instructors

2. Create a syllabus and lesson plan for a HVACR course.

Assessment 1

Assessment Tool: Lesson plan

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Checklist

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. Instructors

3. Present subject-related material using information provided on the UA Online Learning Resources (OLR).

Assessment 1

Assessment Tool: Presentation

Assessment Date: Fall 2020

Assessment Cycle: Every Three Years

Course section(s)/other population: All

Number students to be assessed: All

How the assessment will be scored: Observational Checklist

Standard of success to be used for this assessment: 80% of the students will score 80% or higher.

Who will score and analyze the data: U.A. Instructors

Course Objectives

1. Review apprenticeships and the standards set forth by the United Association.
2. Analyze the subjects and topics that make up the UA HVACR five-year program.
3. Describe how the subject matter and courses offered align with their current program at their local Training Center.
4. Define end goal and synchronicity of the programs available for local Training Centers.
5. List job tasks to achieve end goal.
6. Create syllabus with learning outcomes.
7. Create lesson plan to align with syllabus.
8. Log into and reference UA OLR for resources.
9. Identify, download, and organize related material for relevant courses.
10. Create PowerPoint and visual teaching applications used in vocational instruction.

New Resources for Course**Course Textbooks/Resources**

Textbooks
 Manuals
 Periodicals
 Software

Equipment/Facilities

| <u>Reviewer</u> | <u>Action</u> | <u>Date</u> |
|---|---------------------------|---------------------|
| Faculty Preparer: <i>Tony Esposito</i> | <i>Faculty Preparer</i> | <i>Apr 01, 2020</i> |
| Department Chair/Area Director: <i>Marilyn Donham</i> | <i>Recommend Approval</i> | <i>Apr 06, 2020</i> |
| Dean: <i>Jimmie Baber</i> | <i>Recommend Approval</i> | <i>Apr 13, 2020</i> |
| Curriculum Committee Chair: <i>Lisa Veasey</i> | <i>Recommend Approval</i> | <i>Apr 23, 2020</i> |
| Assessment Committee Chair: <i>Shawn Deron</i> | <i>Recommend Approval</i> | <i>Apr 28, 2020</i> |
| Vice President for Instruction: <i>Kimberly Hurns</i> | <i>Approve</i> | <i>May 05, 2020</i> |