

HEATING, VENTILATION, AIR CONDITIONING AND REFRIGERATION - COMMERCIAL TRADE (ADVANCED CERTIFICATE)

Catalog Effective Term: Fall 2024

Program Code: CVHVCT

Credential: Advanced Certificate

High Demand Occupation, High Skill Occupation, High Wage Occupation

This program is a capstone to HVAC-Residential Certification, and is designed for students who wish to develop skills in HVACR mechanics or installation. It prepares the student for industry-recognized certification (C/IS) for entry-level employment in commercial heating, ventilation and air conditioning. Additional theory and hands-on experience will increase students' knowledge base concerning HVACR systems at the commercial level. The student will develop knowledge and skills in sizing, layout, installation, maintenance, and troubleshooting HVACR equipment.

Articulation

Eastern Michigan University, several BS degrees

Copies can be obtained from the Counseling Office, a program advisor, or from the Curriculum and Assessment Office Web site:

<http://www.wccnet.edu/learn/transfer-wcc-credits/articulation-agreements.php>.

Program Admission Requirements

Students must complete the Heating, Ventilation, Air Conditioning, and Refrigeration Residential Certificate (CTHVR).

Minimum Credits Required for the Program: 17

Code	Title	Credits
Major/Area Requirements		
HVA 203	Refrigeration Systems	3
HVA 205	Hydronic Systems	4
HVA 207	Commercial Industry Standards with Competency Exams	3
Core Courses		
HVA 201	Energy Audits	4
HVA 202	Air System Layout and Design	3
Total Credits		17