

2021-22 ACADEMIC PROGRAMS

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

Advanced Certificate

This advanced certificate 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 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.

This is a **high demand, high skill** and **high wage** program as defined by the [Michigan Community College Network](#).

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Description

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

Admissions Requirements

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

Course Requirements

Major/Area Requirements

Class	Title	Minimum Credits
HVA 203	Refrigeration Systems	3
HVA 205	Hydronic Systems	4
HVA 207	Commercial Industry Standards with Competency Exams	3
Total		10

Core Courses

Class	Title	Minimum Credits
HVA 201	Energy Audits	4
HVA 202	Air System Layout and Design	3
Total		7

Total Credits Required: 17

Accurate as of 05/18/2021 Information is subject to change without notice.