

Mid Michigan Community College – Western Michigan University
Occupation Education Studies
Articulated Teacher Education Program

Program of Work for Heating/Refrigeration/Air Conditioning

The articulated program will allow a student to complete a teacher education program with a major in **Heating/Refrigeration/Air Conditioning (with VT endorsement)** and a teachable minor in an appropriate program. **Note:** The VT endorsement requires 4000 hours of recent and relevant work experience.

University Graduation Requirements include:

- Minimum: 122 credits
- Minimum: 2.0 cumulative GPA
- Minimum: 30 credits from WMU (No credit by exam, self-instructional, or correspondence except General University Studies (GUS) through Extended University Programs)
- Minimum: 10 of the last 30 credits from WMU (No credit by exam, self-instructional, or correspondence except GUS)
- Minimum: One-half total required credits from 4-year institution

- I. Admission to the WMU teacher education program will include these requirements:
 - A. 2.5 or higher Grade point
 - B. Satisfactory completion of the State of Michigan Basic Skills Test (math, reading, communication)
 - C. PSY 212 (MMCC) or Human Growth & Development-ED 250 at WMU

- II. Teaching **major** satisfied by taking 30 credits from the following:

DRF 120	Intro to AutoCAD	3 credits
HRA 102	Refrigeration Fundamentals	3 credits
HRA 104	Residential Refrigeration	3 credits
HRA 105	Hydronics	3 credits
HRA 106	Heating Fundamentals	3 credits
HRA 108	Heating Systems	3 credits
HRA 116	Fundamentals of Electricity	3 credits
HRA 204	Light Commercial Refrigeration	3 credits
HRA 205	Motors & Controls	2 credits
HRA 215	HRA Controls	3 credits
HRA 220	Commercial Refrigeration Design	2 credits
HRA 223	Residential HVAC Load Determination	3 credits
HRA 225	Residential HVAC Distribution/Design	3 credits
HRA 240	Adv Commercial Refrigeration	3 credits
HRA 285	Co-Op (Heating, Ref & Air Conditioning)	3 credits

Teaching **minor** satisfied by taking at least 20 semester hours of WMU courses in an appropriate secondary education minor.