



## **Proposed New Micro-credential – HVAC Essential Workplace Skills**

This thirteen credit Micro-credential was created specifically for students to gain the essential skills of an HVAC Technician but also adds the value of a work-based learning opportunity with HVA 271- a formal Paid CO-OP for all students in the Jumpstart program. There have been many letters of support from industry for MCC to implement this offering.

The overall design of this credential is to have students gain the critical skills needed to be effective in their career on day one of employment. This micro-credential gives students the lab practicum and theory behind skills in refrigeration, heating systems, mechanical systems as well as electrical systems.

Note: Students will have the opportunity to gain OSHA 10 and sit for the EPA 608 Universal Refrigeration License.

### **Curriculum Requirements**

A grade of C or better must be achieved in:

**HVA 101 Basic Refrigeration 3cr**

**HVA 103 Heating Systems 3cr**

**HVA 105 Electric and Motor Controls 3cr**

**HVA 271: CO-OP in HVAC 4cr**

All of these courses ladder into both a Certificate – (HV02) and AAS Degree – (HV01). And three courses (HVA 101,103,105) also ladder into another Certificate – (ST02).

Dale Pearce developed this proposal with consultation with John Troy, Kevin French, Joe Snowden, Bill Horton and George Merz.