

# Commercial HVAC Certificate

## Description

Moraine Park's Commercial HVAC (Heating, Ventilating and Air Conditioning) Certificate provides students with the hands-on training to do a variety of work in air conditioning, ventilation, air balancing, indoor air quality testing and heating systems. As graduates, they perform installations, make repairs and perform other maintenance functions in rooftop units, building controls, DDC energy management systems, package HVAC equipment, chillers and air conditioners.

Successful people in the field are in good physical condition, are neat in appearance, have good customer skills, have good mechanical and electrical aptitude, and possess good analytical skills.

Graduates of this certificate may directly transfer their credits into Moraine Park's Air Conditioning, Heating and Refrigeration Technology associate of applied science degree if they wish to continue their education.

## Outcomes

- Perform preventative maintenance and repair of package heating and air conditioning systems.
- Interpret schematic wiring of building controls.
- Design, build and operate pneumatic/PLC controls.
- Perform indoor air quality analysis.
- Perform ventilation and air balance analysis.
- Analyze DDC energy management systems.
- Troubleshoot equipment.
- Complete industry competency certification.
- Complete EPA refrigerant handling certification.

Certificate: 97-601-4

Campus: Fond du Lac

## Career Opportunities

- Commercial Heating, Ventilating and Air Conditioning Installer
- Commercial Service Technician
- Customer Service Representative

## Admission Process

- Submit the college admission application.
- Submit the \$30 one-time fee.
- Meet with an admissions specialist to determine the best course sequencing and prerequisites (strongly encouraged).

## The Final Steps

When you are in the last semester of coursework, complete the graduation candidacy form and submit it with the \$25 fee to the Registration Office.



Course Number	Course Title	Year	2009-2010				2010-2011			
			Cr.	S	F	W	P	S	F	W
419-105	Introduction to Pneumatic and Programmable Logic Controllers	2								
601-108	Heating, Ventilation and Air Conditioning (HVAC) Schematics	2								
601-109	HVAC/R Code	1								
601-116	Hydronic Environmental Systems	3								
601-118	Air Distribution	2								
601-128	Building Control Systems Applications	3								
601-132	Indoor Air Quality	2								
601-134	Commercial Heating and Air Conditioning	4								
<b>Total</b>		<b>19</b>								
<b>Must have completed the prerequisites below or have advanced standing:</b>										
601-107	Electricity and Electronics HVAC	3								
601-120	Fundamentals of Refrigeration	2								
601-122	Residential Air Conditioning	3								
601-123	Residential Heating Systems	3								
601-127	Fundamentals of Building Controls	2								

Schedule a Course

Academic Planner

Semester Codes: S - Summer F - Fall W - Winter P - Spring