

HVAC INSTALLATION TECHNICIAN

Program Number: 31-601-2

Technical Diploma (1 year)

Campus: West Bend

This program is eligible for financial aid (<http://www.morainepark.edu/financial-aid/>)

Learn concepts about HVAC installation and design and earn a degree in less than a year with the HVAC Installation Technician program at MPTC.

About the Program

Heating, ventilation, air conditioning and refrigeration jobs are in high-demand (<http://www.bls.gov/ooh/installation-maintenance-and-repair/heating-air-conditioning-and-refrigeration-mechanics-and-installers.htm>). Take advantage of this job-growth by getting started in MPTC's HVAC Installation Technician program. Students receive vast HVAC training and learn principles of air conditioning and heating installation.

What You'll Learn

Students of this program benefit from hands-on instruction in a state-of-the-art lab and simulated construction environment. Students learn how to install and start up residential and commercial heating, ventilation, refrigeration and air conditioning equipment. Students receive hands-on training in applications of refrigeration, hot water/steam heating, and electric motors and controls.

All courses can be transferred to Moraine Park's Air Conditioning, Heating and Refrigeration Technology Associate Degree (<https://catalog.morainepark.edu/programs/air-conditioning-and-heating-refrigeration-technology/>).

Transfer Opportunities

Earn credits at MPTC and transfer to a four-year college to earn your bachelor's degree.

Visit the Transfer Opportunities (<https://www.morainepark.edu/academics/transfer-information/transfer-to-a-four-year-college/>) page for more information on credit transfer agreements between Moraine Park and four-year colleges, both public and private.

Admission Process

Standard Admissions (<http://www.morainepark.edu/admissions/new-student/how-to-apply-for-admissions/>) steps details

Credit for Prior Learning

Earn college credit outside the classroom through Moraine Park's Credit for Prior Learning (CPL) opportunities. Credit opportunities are available for:

- Previous college coursework from prior institutions
- Military training and experience
- Passing of MPTC or national exams
- Skills or knowledge developed on the job or through other life experiences

Visit MPTC's Credit for Prior Learning (<https://www.morainepark.edu/academics/transfer-information/credit-for-prior-learning/>) page for more information.

Approximate Costs

- \$141.00 per credit (resident)
- \$211.50 per credit (out-of-state resident)
- Online students are not charged out-of-state fees.
- Please refer to the MPTC Student Handbook (<http://www.morainepark.edu/studenthandbook/>) for additional enrollment fee information.

Financial Aid

Financial Aid is provided to aid eligible associate degree and technical diploma programs with 28 credits or more. Processing can take 6-8 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (<https://studentaid.gov/h/apply-for-aid/fafsa/>)) is received. Visit the Financial Aid (<https://www.morainepark.edu/pay-for-college/financial-aid/>) page to learn more.

Course Requirements

Course	Title	Credits
Semester 1		
601-107	Electricity and Electronics HVAC	3
601-108	Heating, Ventilation and Air Conditioning (HVAC) Schematics	2
601-109	HVAC/R Code	1
601-120	Fundamentals of Refrigeration	3
601-121	Refrigeration Service Techniques	2
804-107	College Mathematics	3
890-101	College 101	2
Credits		16
Semester 2		
103-159	Computer Literacy - Microsoft Office	1
601-122	Residential Air Conditioning	3
601-123	Residential Heating Systems	3
601-134	Commercial Heating and Air Conditioning	4
801-136	English Composition 1	3
Credits		14
Total Credits		30

Program Outcomes

- Install residential heating, ventilation and air conditioning equipment.
- Commission (start up) and service residential heating, ventilation and air conditioning equipment.
- Install commercial heating, ventilation and air conditioning equipment.
- Commission (start up) and service commercial heating, ventilation and air conditioning equipment.
- Install commercial refrigeration equipment.
- Commission (start up) and service commercial refrigeration equipment.
- Students will obtain OSHA 10 certification as part of the program.

Pathways

- Air Conditioning, Heating and Refrigeration Technology Associate Degree (<https://catalog.morainepark.edu/programs/air-conditioning-and-heating-refrigeration-technology/>)
 - HVAC Installation Technician Technical Diploma (p. 1)

Earn a technical diploma and associate degree along this pathway. Start with some courses for entry-level employment, and continue with additional courses for higher wages and job advancement.

Career Opportunities

- Air-Balancing Technician
- Service Representative
- Building Automation Specialist
- Commercial Refrigeration Technician
- Computer/Web Based Controls (BAS)
- Facilities Maintenance Technician
- Employment at an entry level includes: Testing and Balancing of Air and Water Movement; Installation; Energy Auditing; Sales