

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.

Transfer Opportunities

Your academic journey can continue at a four-year college or university. Earn your associate degree at Moraine Park and then apply those credits toward a bachelor's degree. Starting at MPTC makes completing a bachelor's degree **affordable**, **accessible** and **convenient**. You can go anywhere as MPTC has transfer agreements with colleges and universities both in Wisconsin and throughout the country.

Visit the Transfer to a Four-Year College (<https://www.morainepark.edu/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.

Additional Information

Students must purchase various hand tools for this program.

Admission Process

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

Credit for Prior Learning

Transform the skills and abilities developed through previous experience into college credit through MPTC's Credit for Prior Learning process.

- Transfer credit from other colleges/universities
- Earn college credit for your military training and experience
- Earn college credit via Advance Placement, CLEP, DANTES/DSST or MPTC Challenge Exams
- Earn college credit from previous/current work and life experiences

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

Approximate Costs

Tuition

Occupational

- \$152.85 per credit (resident)
- \$229.28 per credit (out-of-state resident)

Associate of Arts/Associate of Science

- \$192.20 per credit (resident)
- \$288.30 per credit (out-of-state resident)

Online students are not charged out-of-state fees.

Student Fees

- \$5.00 minimum per course Material Fee
- \$13.76 per-credit Supplemental Fee for Undergraduate courses
- \$4.50 per term mandatory Student Accident Insurance Fee

Please refer to Tuition & Fee Information (<https://catalog.morainepark.edu/admissions-registration/tuition-fee-information/>) for additional enrollment fee information.

Financial Aid

Financial Aid is available for associate degree and technical diploma programs (those that are 2 semesters in length and typically with 28 credits or more). Processing can take 4-5 weeks after a student's completed Free Application for Federal Student Aid (FAFSA (<https://studentaid.gov/h/apply-for-aid/fafsa/>)) is received.

Several factors influence the total cost of your degree, including enrollment fees, the number of credits required, textbooks and equipment. **Financial aid** (<https://www.morainepark.edu/pay-for-college/financial-aid/>) can assist with those costs.

Course Requirements

Course	Title	Credits
Semester 1		
103-159	Computer Literacy - Microsoft Office	1
601-307	Electricity and Electronics HVAC	3
601-308	HVAC Schematics	2
601-309	HVAC/R Code and OSHA 10	1
601-310	Fundamentals of Building Controls and Systems	2
601-320	Fundamentals of Refrigeration	2
601-321	Refrigeration Service Techniques	2
804-360	Occupational Mathematics 1	2
890-101	College 101	2
Credits		17
Semester 2		
601-314	Commercial Refrigeration	3
601-316	Hydronic Environmental Systems	3
601-322	Residential Air Conditioning	3
601-323	Residential Heating Systems	3
601-334	Commercial Heating and Air Conditioning	3

804-361	Occupational Mathematics 2	2
	Credits	17
	Total Credits	34

¹ Students will obtain OSHA 10 certification through completion of the HVAC/R Code and OSHA 10 course (601-309).

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.

Career Opportunities

- Air-Balancing Technician
- Service Technician
- Building Automation Systems Specialist
- Commercial Refrigeration Technician
- HVAC Business Owner
- Facilities Maintenance Technician
- Employment at an entry level includes: Testing and Balancing of Air and Water Movement; Installation; Energy Auditing; Sales

Statewide Median Salary for Recent Graduates

\$43,676