

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

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

Visit the Transfer to a Four-Year College (<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.

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

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

Tuition

Occupational

- \$146.20 per credit (resident)
- \$219.30 per credit (out-of-state resident)

Associate of Arts/Associate of Science

- \$188.90 per credit (resident)
- \$283.35 per credit (out-of-state resident)

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

Student Fees

- \$4.50 minimum per course Material Fee
- \$12.50 per-credit Supplemental Fee for Undergraduate courses
- \$10 minimum per credit Online Course Fee (Fee suspended for 2023-2024)
- \$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. 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	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

1

Students will obtain OSHA 10 certification through completion of the HVAC/R Code course (601-109).

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

\$46,796