

Air Conditioning and Refrigeration Technology

PROGRAM CODE: 10-601-1



Associate Degree



COURSE	CREDITS
ENG-195	Written Communication ‡ 3 (or) ENG-201 English 1 ‡
HVAC2-109	Introduction to the HVAC Industry 1
HVAC2-110	Air Conditioning Fundamentals 3
HVAC2-113	Electrical Fundamentals 3
HVAC2-132	Architectural and Mechanical Fundamentals 4
ENG-197	Technical Reporting ‡ 3 (or) Any 200-level ENG course
HVAC2-114	Electrical Controls and Systems ‡ 4
HVAC2-115	Refrigeration 1 ‡ 4
HVAC2-120	Heating Systems 1 ‡ 4
HVAC2-116	Refrigeration 2 ‡ 4
HVAC2-121	Heating Systems 2 ‡ 4
HVAC2-146	Digital Energy Management Systems ‡ 2
HVAC2-148	Heat Pumps ‡ 3
MATH-107	College Mathematics ‡ 3 (or) Any 200-level MATH course
HVAC2-125	Control Application and Circuits ‡ 4
HVAC2-126	Air Conditioning Systems ‡ 3
HVAC2-144	Servicing and Troubleshooting Refrigeration and Air Conditioning ‡ 3
HVAC2-150	Wiring Diagram Interpretation ‡ 2
PSYCH-199	Psychology of Human Relations 3 (or) Any 200-level PSYCH course
SOCSCI-197	Contemporary American Society 3 (or) Any 200-level SOCSCI or HIST course
ELECTIVE	One credit required 1

Location: Oak Creek Campus

Start Dates: August and January

Admission Requirement: High school diploma or GED and one year of high school-level algebra

Transfer: Will transfer to one or more four-year institutions

Financial Aid Eligible: Yes.

Apply at fafsa.gov. Use School Code 003866.

Program Description

Ensure comfortable environments in homes and businesses. Students attain a background in mathematics, drafting, electricity and thermodynamics. Co-op credit may be available for appropriate employment opportunities.

Career Outlook

There is a steady demand for trained air conditioning and refrigeration technicians.

Program Learning Outcomes

- Install HVAC/R components.
- Service HVAC/R systems.
- Troubleshoot HVAC/R systems.
- Evaluate HVAC/R system designs.

CREDITS

Total credits needed to complete this degree

64

‡ Prerequisite required.

Program curriculum requirements are subject to change.

Official Wisconsin Technical College System program title:
Air Conditioning, Heating and Refrigeration Technology.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

This program is accredited by HVAC Excellence, P.O. Box 521, Mt. Prospect, IL 60056; 800-726-9696; escogroup.org/accreditation.



Complete Program Details

QUESTIONS? 414-297-8901 or mctpathway@matc.edu