



# Advanced Air Conditioning Diagnostics & Repair

presented in person  
by Mark Dufort

As environmental regulations continue to demand more fuel-efficient and clean burning engines, manufacturers have introduced more efficient, and complicated, HVAC systems. The goal of this class is to refresh technician knowledge of refrigeration principles and bring them up to date on the latest air-conditioning diagnostic techniques, service and repair practices. These principles will be demonstrated on R-1234yf equipped vehicles as well as on R-134a equipped vehicles. After completing this class, a technician will be able to:

- Understand the refrigeration cycle and enthalpy
  - Identify new technologies and their impact on HVAC
  - Understand various HVAC designs
  - Properly replace HVAC components
  - Comprehend various diagnostic testing techniques and identify tools necessary to service, maintain, and diagnose air conditioning systems.
- Understand computer controls used in air conditioning systems

Register at **MWACA.org/events**  
Questions? **816.413.9800**

for shop  
owners,  
managers and  
technicians

## Greater Chicagoland Chapter



Saturday, April 15, 2023



9:00am - 3:00pm



McHenry County College  
Building A, Room 240  
8900 US-14  
Crystal Lake, IL, 60012

sponsored by



MWACA Member: \$49  
Non-Member: \$79

### Upcoming Events

MAY 9

Shop Owner Roundtable

JUNE 13

Diagnostic Strategies

SEPTEMBER 12

Maintenance  
Products and Services

OCTOBER 10

End of Year Financial Planning

NOVEMBER 11

GM Training with Ken Zanders