



# AIR CONDITIONING & HEATING SYSTEMS

## LIVE CLASSROOM TRAINING

This live classroom training course will explain all thermal-related vehicle systems' fundamentals, laying out practical tips for the working tech who wants to become more experienced with heating and air conditioning systems.

HVAC is becoming more complex in today's vehicles, and this course will present both traditional and cutting-edge HVAC diagnostic procedures.

As the days of simple air conditioning and heating repairs are long gone, the savvy technician must develop new strategies for maintaining and repairing today's HVAC systems.

This course will cover conventional HVAC systems and discuss electric and hybrid electric heating and cooling systems.

### COURSE OBJECTIVES:

- ✓ Define an automotive HVAC system
- ✓ Explain the different components that make up an HVAC system
- ✓ Describe common causes of failures of HVAC components
- ✓ Identify when to flush and when to replace components
- ✓ Explain proper HVAC testing procedures
- ✓ List common HVAC diagnostic, recovery, and maintenance tools
- ✓ Describe the difference between R-134a and R-1234yf systems
- ✓ Understand the difference between conventional and electric vehicle HVAC systems
- ✓ Explain when a scan tool can help

