

## MOBILE LIVE COACHING



## **C.A.N. SYSTEMS** LIVE CLASSROOM TRAINING

This live classroom training course will provide a thorough understanding of the two common types of networking systems used on vehicles today, how to diagnose a multitude of networking issues, and have the ability to fully understand the networking power of today's ever-increasingly complex vehicles.

This course will cover networking high and low-speed circuits, nodes, sub-nodes, data bus circuitry, star vs. loop configurations, and vehicles using these newer systems. A heavy emphasis will be placed on scan tool diagnostics and wiring schematics interpretation to diagnose these systems.

This class uses case studies and live vehicles during the course's hands-on portion to allow the technician to perform system diagnostics. A digital meter and other various tools, including a labscope, will be used extensively throughout the course.

## **COURSE OBJECTIVES:**

- Define an automotive networking system
- Describe how individual vehicle components all connect to a common communications network
- List the advantages and disadvantages of a common communications network
- Illustrate the difference between star and loop networks
- Understand how to isolate individual modules for diagnostics
- Recall the difference between high-speed and low-speed networks
- Demonstrate the use of a scan tool for networking diagnostics
- Define data bus circuitry through wiring schematics
- List the safety procedures to be followed



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