



## *CTI Season Line-up*

### *London, 09-10*

*Location: London, ON*

<i>Course #</i>	<i>Course Name and Description</i>	<i>Hours</i>	<i>Dates</i>
<b>AD-514</b>	<b>Vehicle Data Network Diagnostic Challenge</b> Vehicle data networks, which have been around for decades, allow multiple modules in an automobile to share information through the use of a one or two-wire data bus. When communication between modules breaks down, the results can sometimes be confusing. This course uses real world examples to illustrate the logical diagnostic process needed to solve complex network communication faults on modern vehicles.	<b>2 Nights</b>	<b>14,15 Sep 09</b>
<b>VWA-100</b>	<b>Volkswagen Audi Diagnosis</b> Many technicians shy away from the VW or Audi platforms because they don't understand the way they manage scan data or the way they display wiring diagrams. However these popular European platforms can be your next best profit opportunity because they break often and are easy to repair. The use of track wiring diagrams seems to bring fear to the minds of most techs. This course will dispell those fears and help you understand how to find the direction you need. The use of aftermarket scan tools is also a primary focus of this class helping you leverage the tools you already own when diagnosing these vehicles. Topics covered include display groups, adaptation, coding and programing as well as the limitations of aftermarket tools.	<b>2 Nights</b>	<b>5,6 Oct 09</b>
<b>EE-101</b>	<b>CTI Specialized Electronics Training Module One</b> This is the first of three modules designed to give technicians the skills to properly apply the fundamentals of electronics in today's vehicles. Module 1 focuses on the fundamentals of electricity with particular interest in relating them to real world situations. Each student will learn to apply the basics of testing such as voltage drop through the use of wiring diagrams and basic test equipment on various types of circuits. The goal of this course is to establish a foundation for those new to electronics and to provide an up to date review of electronic principles to those who have been in the business before moving on to more complex topics in Modules 2 & 3.	<b>2 Nights</b>	<b>1,2 Feb 10</b>
<b>OBD-208</b>	<b>Reprogramming Strategies</b> One of the most critical decisions a shop makes today deals with reprogramming the PCM on today's vehicles. While it is necessary many times to reprogram a PCM, the shop must make the decision whether to purchase the tooling necessary to do the job in house or to farm it out to the dealer. In many cases the J-2534 reprogramming standard which was meant to make it easy to reprogram vehicles, has led to much confusion in the field. This course focuses on delivering the truth about reprogramming including both OE and J-2534 methods. You will come away with specific J-2534 procedures to make this strategy successful. You will also understand the limitations of J-2534 and the advantages of using the OE scan tool to reprogram. At the end of the day you will be able to make the best decision for your shop.	<b>2 Nights</b>	<b>8,9 Mar 10</b>
<b>AC-201</b>	<b>Automatic Temperature Control Systems Diagnosis</b> Today's vehicles present complex challenges to mobile HVAC technicians. While the refrigerant systems may be difficult to repair, the electronics that control the operation of these 'automatic' systems are every bit as difficult to diagnose as the engine management systems. They use the same communications bus and diagnostic logic which require specialized scan tools and diagnostic strategies to successfully solve the vehicle owners concerns. This course covers the basics of automatic HVAC controls, strategies and diagnostics which will enable you to effectively diagnose and repair these complex systems.	<b>2 Nights</b>	<b>26,27 Apr 10</b>

*. Check with your local CARQUEST Store for changes and/or updates.*