

*Location: TBA*

<i>Course #</i>	<i>Course Name and Description</i>	<i>Hours</i>	<i>Dates</i>
<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>8</b>	<b>2/10/2010 - 2/11/2010</b>
<b>Instructor: Craig Cohen</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>8</b>	<b>4/21/2010 - 4/22/2010</b>
<b>Instructor: Louie Nelson</b>			
<b>DSL-400</b>	<b>Cummins Diesel Diagnostics</b>  The Cummins six cylinder light duty diesel engine is the most popular work vehicle in the US. Used by fleets and contractors alike, the Cummins system presents many unique service opportunities to the general repair facility. This course covers the system strategies that must be understood to properly service these vehicles including preventive maintenance and common failures. Also covered are some of the more common performance modifications that present challenges to the repair industry.	<b>8</b>	<b>6/23/2010 - 6/24/2010</b>
<b>Instructor: Louie Nelson</b>			
<b>AD-513</b>	<b>Pressure Signature Analysis</b>  Many times during the history of the automobile revolutionary diagnostic techniques have come along that changed the way we diagnose and verify the systems on the vehicle in our bay. Pressure Signature Analysis is the latest technique that can save you time and make you money when servicing any vehicle that rolls in the shop. This course covers the use of pressure transducers and flow devices that present a graphic representation of the pressures in the intake manifold, fuel rail or exhaust stream. By understanding the dynamics of these signatures you will be able to pinpoint problems in seconds that may have taken hours or days in the past. Coupled with scan data analysis, this information will take your diagnostic skills to new heights.	<b>8</b>	<b>8/18/2010 - 8/19/2010</b>
<b>Instructor: Louie Nelson</b>			
<b>PK-201</b>	<b>Catalytic Converter Service</b>  In today's service facility, making the right choices when diagnosing and replacing catalytic converters is critical in order to stay in compliance with ever-changing laws and to maximize profitability while still taking care of your customer. CARQUEST Technical Institute has developed this course to help you understand the key issues when dealing with catalytic converters. Laws are changing as we speak, and it is your responsibility to understand them so you stay out of trouble and leverage them to provide your customer with the best solution.	<b>4</b>	<b>10/7/2010 - 10/7/2010</b>
<b>Instructor: Louie Nelson</b>			
<b>AD-514</b>	<b>Vehicle Data Network Diagnosis</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>8</b>	<b>12/15/2010 - 12/16/2010</b>
<b>Instructor: Louie Nelson</b>			

*Times are 6:00 pm to 10:00 for Monday - Thursday classes; 8:00 am to 5:00 pm for Saturday classes.*

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