



## ALT FUEL SAFETY AND MAINTENANCE, FUEL SYSTEM INSPECTOR COMBINED CLASS



November 14<sup>th</sup> - 16<sup>th</sup>, 2018 | 8:30 am – 4:30 pm Daily

**Who Should Attend:** The class is designed to train automotive technicians and managers who have general mechanical knowledge, but need to learn Alt Fuel systems and safety protocols to begin working on alt fuel vehicles. Combo Class to include information required for CSA Exam.

- Technicians responsible for maintaining CNG/LPG Vehicles
- Technicians preparing to take the CSA Fuel System Certification Exam
- Fleet managers and supervisors
- All employees involved in ALT FUELS fleet operations



### ALT FUEL SAFETY, MAINTENANCE, and FUEL SYSTEM INSPECTOR COMBINED TRAINING CLASS

**Date / Time**

November 14<sup>th</sup> – 16<sup>th</sup>, 2018  
8:30 am - 4:30 pm

**Location!**

ALT FUEL INNOVATIONS, llc  
7400 E. 35<sup>th</sup> Ter.  
Kansas City, MO 64129

**Cost per Attendee Registration**

<b>Early Bird Registration</b> (by 11/05):	<b>\$1,095</b>
<b>Registration</b> (after 11/05):	<b>\$1,395</b>
Discount for Clean Cities Members:	<b>(\$100)</b>
<i>Manuals included</i>	

**To Register and for Information**

Send registration form to:  
Lanny@altfuelinnovations.com  
Lanny Wagoner – 913-638-6940

### Course Objectives

- List personnel and shop safety procedures and describe the appropriate responses to common emergencies such as fire, gas leakage, and collision
- List the major policies and regulations pertaining to the installation, operation, and inspection of gaseous fuel vehicles
- Learn the concepts of pressure, density, and volume in describing, measuring, and handling alt fuels.
- Explain lean-burn technology and calculate the correct air-fuel ratio to achieve best power, lowest emissions, and greatest fuel economy
- Describe the components of a alt fuels fuel system and explain how each operates
- Explain the operation of the electronic control module (ECM) and the components that connect to it
- Describe basic diagnostic techniques, the use of the diagnostic scan tool (DST) and the meanings of diagnostic trouble codes (DTCs)



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## Instructor:



Nick Wagoner owned a vehicle upfit company specializing in CNG and LPG vehicle conversions, training and inspections. Now retired, Wagoner travels nationally and internationally providing specialized training for equipment manufacturers and technology organizations. He was an alternative fuels consultant and Automotive Technology instructor at Central Community College in Columbus, Neb., for 25 years and is a nationally recognized alternative fuels trainer by the NAFTC and the Environmental Protection Agency.

Wagoner has served as President of the Board of Directors and Curriculum Chairman for the NAFTC and also helped write the ASE F-1 test for alt fuels. Wagoner's credentials include certifications as an ASE Master Mechanic, ASE Alternative Fuels and CSA Certified Cylinder Inspector. He has been an alt fuels trainer and consultant for 35 years. Wagoner has provided trainings extensively throughout the United States and India at the request of the U.S. Department of Energy and the NAFTC.

## Discount and Scholarship Information:

**Discount** - Current Kansas City and Central Kansas Clean Cities members in good standing will receive a \$100 discount on the cost of registration. Proof of current membership may be required.

**Cancellation Policy:** Cancellations must be confirmed by email prior to the training to receive a refund.

Refund if cancelled: 7 business days prior: **100% refund**  
4 business days prior: **50% refund**  
less than 4 business days prior: **no refund**

## To Register:

Submit your completed registration form by emailing to Lanny Wagoner at [Lanny@altfuelinnovations.com](mailto:Lanny@altfuelinnovations.com), or include it with check by mail.

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**Space is limited. There is a maximum capacity of 18 students. Based upon demand, additional classes will be scheduled in the coming months.**

For questions, contact Lanny Wagoner: [lanny@altfuelinnovations.com](mailto:lanny@altfuelinnovations.com), 913-638-6940.



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## ALT FUEL INNOVATIONS, llc - Credit Card Authorization Form

I authorize ALT FUEL INNOVATIONS, llc to charge \$ \_\_\_\_\_ to the credit card number provided for the following registrants:

Name	Name
Name	Name
Name	Name
Name	Name
Name	Name

**Credit Card Info:**

	Today's Date	
Name as it appears on your Credit Card (Please Print)	Cardholder Signature	
Credit Card Number <input type="checkbox"/> Visa <input type="checkbox"/> MasterCard <input type="checkbox"/> Discover	Expiration Date	CSC Number
Address	City / State / Zip Code	
Daytime Telephone Number	E-Mail Address	

*Note: E-mail receipt sent upon successful authorization*

Charges will be processed by AFI and an e-mail receipt will be sent to you.

For questions, contact Lanny Wagoner: [Lanny@altfuelinnovations.com](mailto:Lanny@altfuelinnovations.com), 913-638-6940.



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