


Monday, July 8		 MADISON AREA TECHNICAL COLLEGE
11:00 a.m.	Registration/Networking/Vendors & Lunch	
12:00 p.m.	Opening Session 12:00 Madison College Welcome Foundation – Kara Nania College Credit Opportunity – Joe Ciontea Introductions DPI Updates – Brent Kindred 1:00 Keynote Speaker – Morna Foy, President of the Wisconsin Technical College System (WTCS)	
4:00 p.m.	“Country Yard Games” – Hosted at the Klecker Compound	
6:00 p.m.	Reception at Madison Harley Davidson – Extra Mile Award; 2000 th Scholarship Presentation and more!	
Tuesday through Thursday Morning Sessions	Power Equipment - Handheld Small Engine Technical Theory <ul style="list-style-type: none"> • Two-Stroke Engine Theory • Basic handheld troubleshooting process • Use of the STIHL Engine Check worksheet to evaluate a unit and find all available faults • Carb Theory • Use of the STIHL Carburetor Worksheet to troubleshoot carb faults • Madison College Engine give away. 	
8:00-11:30 a.m.	Automotive - Lab Scope Basic Training Oscilloscopes are the window into electronic circuits! Let us show you how easy they are to use! Today’s automotive lab scopes are easier to use than some meters and can do so much more. This session will provide instruction on basic scope usage and real car hands on experience testing fuel injectors, crank and cam sensors, ignition coils and more. Learn how to perform a 10-second compression test on the entire engine! Instruction will feature Pico Automotive scopes, provided by Madison College	
All five sessions will be offered each day.	Automotive - Automotive Air Conditioning Stay Cool! How does that mysterious refrigeration system really work? This course will cover operation, components and diagnosis. R-1234YF refrigerant updates and 609 Certification will be part of the discussion with an option to receive Certification through Madison College during an afternoon session.	
You will be able to attend 3 of the 5 offerings, select a different class for each day.	Automotive - Final Drives and Differentials Differentials and final drives are on just about every car and light duty vehicle out there. Find out why the differential is so important! In this hands-on session you will learn the basics of differentials, then setup and adjust a differential. We will also talk about different types of differentials and Final drives and touch on LSD (No, not the drug silly, Limited Slip Differentials)	
Sessions are limited to 12 participants each day.	Collision – Paint Like a Pro <ul style="list-style-type: none"> • Prep a new fender for the paint process • Mix paint to match OEM color • Adjust gun for proper pattern • Apply sealer, base and clear coat Take your fender back to school	

Tuesday, July 9, 2019 – Afternoon Sessions (1:00 – 4:30 p.m.)

Option 1	<p>Option 1 – Advanced Technology on STIHL Products - Eddie Anderson, Technical Training Supervisor, STIHL Inc. USA</p> <p>Eddie Anderson has developed a training program that is known throughout the worldwide STIHL group which is followed and copied by all other national training supervisors. In other words, he’s known all over the world for what he’s contributed. Not just in a small niche within STIHL, but also within many aspects of the outdoor power equipment world.</p> <p>M-Tronic Electronic Carb Theory PC based MDG 1 Diagnostic Tool Low Pressure Fuel Injection BOX link to copyrighted STIHL file library for classroom use</p>
Option 2 One Time ONLY	<p>Option 2 – CARS Curriculum and Tools Distribution– Carl Hader, Grafton HS & Jerry Kobriger, Washington Park HS.</p> <p>This is a can’t miss session for anyone new to teaching automotive or needs a refresh of proven materials and techniques from two successful veteran HS Automotive Instructors. Carl Hader, Grafton HS, will be sharing his latest WATDA CARS Curriculum which includes four auto courses complete with presentations, worksheets, tests and lab sheets. Jerry Kobriger, Washington Park HS, will be sharing his Tool Room procedure which does more than distribute tools. Students gain a sense of appreciation of tools that changes their lives.</p>
Option 3	<p>Option 3 – Heavy Duty Diesel Trucks - CSM Company</p> <p>This session will be presented by an expert team from CSM Headquartered right here in Madison. CSM is the second largest Kenworth dealer group in North America and currently have dealerships in 4 states (WI, MI, NE, and TX) as well as independent/fleet repair facilities in WI (Appleton, Madison, and Janesville) and one in Charlotte, NC. All in CSM has around 1200 employees with about 300 of those being technicians. CSM also have a small venture into the automotive dealership world in Southern WI (Monroe and Lake Geneva).</p> <p>This team will present an overview of class 8 truck technology (current and future). You will understand the basic differences between Automotive and HD Diesel Dealership fixed operations, and an overview of career opportunities/paths in HD Diesel Dealerships. CSM will also have with a few new trucks on site for show and tell.</p>

UW La Crosse Credit: This training is eligible for two credits through UW La Crosse
 Cost: \$250 (fees paid to WTEA) Watch the website for registration information.

Direct questions regarding credits to:

Joseph Ciontea, Executive Director
 Wisconsin Technology Education Association
 (ph) 920-904-2747
 (fax) 920-922-0779
joe.ciontea@wtea-wis.org

Tuesday, July 9, 2019 – Evening Fun!



- Start time: 6:00pm
- Please plan to arrive 15 minutes before.
- Meeting location: N2236 Mount Hope Road, Brodhead, WI 53520
- \$80 per person. Payment when you sign in to race on race day. Payment can be made by cash, debit or credit card.

There is no drinking allowed before or during our race event. Anyone who has been drinking will not be allowed to participate. A celebratory adult beverage is allowed after the racing is finished. You may bring your own cooler and relive the race event on the patio deck or in the parking lot!

The safety gear you need is included in the entry fee. If you have safety gear from some other motorsports pursuit you are welcome to use it. Helmets must be Snell 2010 or newer full-face models. A heavy jacket (heavy denim, Carhart, or motorcycle gear), full coverage shoes and socks, and leather or suede palm gloves are required. We suggest drivers wear tennis shoes, blue jeans or shorts, and a t-shirt. **Sandals and flip flops are not allowed** for footwear. Drivers may wear shorts, but we strongly suggest jeans, as they afford far more protection should something go wrong while racing.

Also remember that we run in the rain. Light rain, or mist gives us a 'slick track' that can be as much fun as the dry. If you think your event may have some rain, we'd suggest you bring a change of clothes for afterwards.

P.S. Don't forget to work on your nickname or stage name you'll use on race day!



Wednesday, July 10, 2019 – Afternoon Sessions (1:00 – 4:30 p.m.)

Option 1	<p>Option 1 – Advanced Technology on STIHL Products - Eddie Anderson, Technical Training Supervisor, STIHL Inc. USA</p> <p>Eddie Anderson has developed a training program that is known throughout the worldwide STIHL group which is followed and copied by all other national training supervisors. In other words, he’s known all over the world for what he’s contributed. Not just in a small niche within STIHL, but also within many aspects of the outdoor</p>
Option 2 One Time ONLY	<p>Option 2 – Refrigerant Recovery and Recycling</p> <p>The EPA-Approved Section 609 program for motor vehicle air conditioning (MVAC) service. You will receive the 609 Review & Quiz necessary to earn this certification.</p>
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Option 4 One Time ONLY	<p>Option 4 – Ford Motor Company</p> <p>Ford Ranger New Vehicle Technologies.</p>

Wednesday, July 10, 2019 – Evening Fun!



The Dane County Landfill is offering a fascinating tour of their electricity generation facility where they burn dirty landfill methane gas in train engines driving generators. They also have recently opened a gas cleaning facility to bring the landfill’s methane up to a higher concentration of methane making it usable as CNG for vehicles. The CNG is pumped directly into a pipeline where it is sold to Kwik Trip for use in their fleet of trucks. About 30% of the county’s fleet is running on CNG, including plow trucks, which will be viewed at the county shop next door to the landfill.



Find out more about the Dane County Landfill at:
https://madison.com/wsj/news/local/govt-and-politics/dane-county-begins-turning-gas-from-landfill-s-trash-into/article_1ed412fb-a469-5d24-9124-98b4498ae87a.html?utm_medium=social&utm_source=email&utm_campaign=user-share

Thursday, July 11, 2019– Afternoon Tour (1:00 – 4:30 p.m.)

TOUR

UW-Madison Engine Research Center Tour

The Engine Research Center (ERC) is devoted to fundamental research on spark ignition and diesel engines and has been a leader in Low Temperature Combustion research. The ERC's projects focus on the fluid mechanics, heat transfer, combustion, sprays, pollutant emissions and overall energy conversion efficiency of internal combustion engines. Particular emphasis has been placed on the application of optical diagnostic methods to engines, and the computational fluid modeling of engine processes. The center's facilities include an array of lasers, instrumentation, emissions measurement systems, single-cylinder engine test stands and computer clusters. MS and PhD students who have graduated from this program hold leadership positions in industry and at major universities.

Primary Objectives

- Develop and apply optical diagnostic and imaging methods to reciprocating engines
- Upgrade computational fluid models for spray breakup, spray-wall impingement, engine heat transfer, combustion, turbulence, intake flows and emissions.
- Engage in engine combustion development for reciprocating engines from small, spark-ignited utility engines through large-bore compression-ignition engines.
- Engage with engine manufacturers, national laboratories, and other academic institutions to maintain a world-class research enterprise.

HOTEL INFORMATION:



Magnuson Grand Hotel Madison

3510 Millpond Rd.

Madison Wisconsin 53718

Phone: (608) 224-1500

1-800-510-3510

Fax: (608) 224-0586

Room reservations for the Summer Institute are to be made by individual attendees directly with Hotel's reservation department (Call 608-224-1500 ext. 122 or the front desk) You may also register on-line using the promo code. To receive the group rate, attendees must ask for a room in the **Summer Teacher Training Institute room block. Rate is \$82 per night plus taxes.**

Reservation deadline is Wednesday, July 3, 2019.

www.madisongrandhotel.com [Promo Code: STTI2019](#)