



## *PROGRAM STANDARDS*

GENERAL MOTORS

AUTOMOTIVE SERVICE  
EDUCATIONAL PROGRAM

Adopted by the International Association of General Motors Automotive Service  
Educational Programs and General Motors Service Technical College

**2014 Edition**

## Disclaimer

**In the event a new standards document has not been approved in time for new class starts for the impending year, the prior year standards document will carry forward until a new standards document is approved.**

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**It is required that all GM ASEP schools participate in the national IAGMASEP conference and in the regional conference.**

# FOREWORD

## *The Development of Program Standards*

GMASEP Program Standards were first proposed by the International Association of General Motors Automotive Service Educational Programs (IAGMASEP) in 1991 following the 1990 corporate implementation of Service Training Standards for franchised General Motors dealers. The IAGMASEP formed a Standards Committee consisting of college representatives of the five college regions, the GM Training Centers and the Service Technology Group. The first meeting of the Standards Committee was held at the Dallas GM Training Center in July 1991.

The work of the Standards Committee was presented to the IAGMASEP at the annual conference in Los Angeles in December 1991. Following discussion, debate, and modification, the IAGMASEP unanimously adopted the program standards and authorized the IAGMASEP Board of Directors to present the program standards proposal to the corporate partner, the GM Service Technology Group.

The proposal was reviewed by STG management and presented for discussion at the 1992 STG Training Center Managers' Conference. STG required minor changes prior to implementation. Predicated on college acceptance of the STG proposed changes, the program standards were unanimously ratified by STG management and the training center managers. STG developed an implementation plan and established internal procedures to support the program standards.

The Standards Committee reconvened prior to the 1992 annual conference, made the necessary revisions and presented the amended proposal to the membership. The membership approved the revisions and authorized a process that the Standards Committee will use for future changes or revisions.

The development of program standards is an IAGMASEP initiative. Program standards were proposed, developed and approved by the college membership. Program standards received the support and endorsement of the GM Service Technology Group.

Program standards may have been implemented at individual colleges as early as the 1992/94 ASEP academic year. The ASEP Class of 1994 was the first class eligible to graduate under the provisions of the program standards. The 1994 ASEP graduates from programs which complied fully with the standards were awarded a unique ASEP graduate number in the General Motors Service Training Management System.

The program standards are not intended to establish a national curriculum. It is intended that the courses of study at all participating institutions include specific minimum content. The minimum content includes the NATEF task lists for every ASE specialty category plus the content of specific General Motors STC courses which are embedded in the college course of study. The requirements for the course of study are in addition to any existing state, local or institutional requirements.

In 2000, General Motors changed their technician training program with the creation of the General Motors Service Technical College (GM STC). GM STC training includes computer or web based training (CBT/WBT), interactive distance learning (IDL), hands-

on course and certification assessment. Because of these changes, the 2001-2003 standards were modified to be competency based versus course based.

For 2004 the IAGMASEP decided to realign the standards with the current GM STC course offerings. In doing so the standards committee had to shift the philosophy of training delivery from a 2-3 year plan to a one year plan. While this method improved the lead time associated with class preparation, it also brought the training into a real time delivery. No longer were colleges expected to teach old outdated course components just because they were current at the time of planning. Now instructors are expected to stay current with the latest GM STC Individual Training Plan requirements including passing the certification assessment.

Also, WBT course credit will be the responsibility of the students. Instructors will not be required to document completion of the WBT course competencies in their classes. Instructors are encouraged to assign all prerequisite WBT course components for students to complete. Colleges are still responsible for embedding all VCT and hands-on course competencies and validate student completion of those objectives. In 2005, GM decided to merge the TSEP program into the GM ASEP program. Beginning fall 2005, ACDelco Total Service Support (TSS) service centers are also eligible to sponsor GM ASEP students. Additionally in 2005, GM decided to dissolve the GM BSEP program. GM has engaged I-CAR to meet their collision training requirements.

In 2006 GM ASEP partnered with Prentice Hall to develop a fundamental series of books that would lead into the support materials provided by GM STC for GM ASEP's use as curriculum materials. The project concluded in 2008 with the development of 8 books by ASE area. As IDL classes are replaced by their VCT equivalent, VCT classes will be treated as IDLs for all intents and purposes, unless noted otherwise.

On September 14th 2009, General Motors discontinued the IDL training media in favor of an internet based media format henceforth referred to as VCT or Virtual Classroom Training.

Beginning in 2012, the ACDelco TSS (Total Service Support) Program was renamed. The name we will be using from this point forward is the ACDelco Professional Service Center Program.

In 2012, GM ASEP partnered once again with Pearson to update and enhance the 1<sup>st</sup> Edition books. Each 2<sup>nd</sup> Edition release will, in addition to 1<sup>st</sup> Edition books which are awaiting updating, become core curriculum materials for this program.

### ***Evaluation and Compliance***

Compliance with program standards is solely based on the documentation submitted by the institution via the GM ASEP website at <https://www.gmasep.com>

In the event that a disagreement occurs between the college and the Regional Training Center Manager regarding the college meeting program standards, a minimum of two (2) members of the IAGMASEP Standards Committee should be contacted. Initial contact should be made with the chairperson of the IAGMASEP Standards Committee,

who will then recommend committee members who may be contacted as resources for guidance and counsel towards a resolution.



## **STANDARD ONE - STANDARDS COMMITTEE**

### ***Membership***

Membership on the Standards Committee is defined and detailed in the IAGMASEP ByLaws; Article IV, Section 2. The current Standards Committee Representative Chart is contained in the Appendix.

### ***Meetings***

The Standards Committee shall meet annually, or as required by the IAGMASEP Board of Directors, to recommend changes or revisions to the Program Standards. Standards Committee members are required to attend all scheduled meetings. The Standards Committee shall submit its annual report to the IAGMASEP Board of Directors.

### ***Approvals***

The IAGMASEP Standards Committee will make changes and/or revisions to the standards document as needed. The committee chair will submit those changes to the Board of Directors for approval. The recommendations brought to the Board of Directors by the committee will have been approved by the standards committee through a majority vote of the committee membership.

The IAGMASEP Board of Directors will review each recommended change and either approve each recommendation or return it to the committee for revision.

### ***Distribution of Information***

Changes or revisions to the standards shall be published and distributed to the entire membership no later than January 31 in the calendar year in which the changes shall become effective. Should this deadline date not be met the prior year Standards will remain in effect until the new Standards are established.

***IAGMASEP Program Standards Committee***

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## STANDARD TWO - PROGRAM CERTIFICATION

### *Program Requirements*

Each GM ASEP program must be NATEFMAST Accredited in all eight (A1-A8) specialty categories. [Starting in 2013, all schools going through the re-accreditation process must accredit at the Master Automotive Service Technology \(MAST\) level.](#)

For information about NATEF accreditation, go to the NATEF website at <http://www.natef.org>.

Each ASEP school must have at least 12 sponsored students prior to beginning a class.

Each ASEP instructor must be certified in the area(s) taught. See Standard Three: Instruction.

Each school must submit an Authorization to Start a GM ASEP Class to their Regional Training Center Manager. For everyone's protection it is recommended that it be submitted 2 months prior to the start of class. Additionally, all schools will be required to have a Comprehensive Business Plan on file, and reviewed and/or updated annually, as this may be requested from the Regional Training Center Manager, the ASEP and AYES Program Operations Manager, or General Motors Program Integration Manager as applicable. A sample Business Plan has been made available to all schools by means of the GM ASEP website. All schools will be required to submit a Business Plan – either their own, or a modified version of what was shared – no later than when the Authorization to Start a Fall Class document is submitted to that college's Regional Training Center Manager during 2014.

If you have a Business Plan on file which was submitted in 2013 but has had no changes to it for 2013, you will not be required to re-submit one for 2014. If changes *have* been made between 2013 and 2014, then you are required to re-submit the updated Business Plan accordingly.

### *Applied Academics*

The IAGMASEP Standards Committee maintains that academic competencies related to automotive technology should be integrated into the GM ASEP curriculum. The document prepared by NATEF, “Applied Academics & Workplace Skills for Automotive Technicians,” addresses applied academic competencies that would benefit automotive technicians. The committee recognizes and supports the goals and objectives of the NATEF applied academic competencies. The committee further recognizes that state and local college structures determine the form and ultimate content of their programs. The committee urges IAGMASEP members to maintain a relationship with their academic counterparts that assure academic competencies are completed, either in academic or technical components of GM ASEP.

The intent is to assure that graduates are able to apply math and science knowledge in the repair of automobiles. Their ability to apply written and oral communication skills in the workplace will enhance their value to the dealership and increase their opportunities for career growth.

## STANDARD THREE - INSTRUCTION

In order for General Motors to award credit to the student for GM courses, students must master the course competencies for the course components WBT, VCT and hands-on. The college instructor must validate that the students have mastered the course competencies to award credit.

The following professional development requirements for instructional staff are in addition to any existing state, local or institutional instructor credential requirements.

### *The Instructor STC Training Path*

The college must develop a GM STC training path for each GM ASEP instructor. This is to be done in the STC website at <https://www.gmtraining.com>.

The STC training path is to be completed for each instructor eligible to teach in an ASE specialty area. There are eight ASE specialty areas and accordingly, eight versions of the training path for GM ASEP. In addition the instructor must complete the Fundamentals, Emerging Issues training path plus the applicable Hybrid training courses specified at the end of this document – see table #1.

An instructor may be eligible to teach in more than one ASE specialty category; however, all instructors must complete the entire TMS training path by **October 31<sup>st</sup> of each year** in the areas they teach. This is to include assessment certification.

ASE certification is a prerequisite to teaching any area. All newly hired instructors must complete the online training for the course they are teaching for the first time prior to the conclusion of that class. The instructor must achieve 100% STS in the subject area prior to the conclusion of teaching the same subject area a second time. The instructor must meet Master Certification by the conclusion of the third class taught in that subject area.

Training courses may be granted by completion of a passing score of the “Placement Assessment Test”. Additional override of the “Hands-On” courses may be granted by the Regional Training Center Manager. The Certification Assessment is still required for Master level of the STC Training path.

“Advanced Technology Vehicles” training category is REQUIRED of all instructors at the college in 2014. However only one instructor is required to complete the hands-on courses.

Instructors are strongly recommended to complete all the New Product Videos & Technology Close-up’s.

### *Co-op Requirements*

A basic component of the GM ASEP program is a well-structured, supervised, cooperative internship of work experience. GM ASEP college coordinators may find guidance in 2013 NATEF accreditation standards which reference that a program providing instruction at the MAST level must have a minimum total of 1200 hours of

combined laboratory/shop (co-op) and classroom instruction. Though this is a minimum requirement which all colleges will meet or exceed, it should be noted that General Motors clearly expects that the GM ASEP Model be followed, specifically, that a balance be maintained of classroom instruction and the in-dealership (and/or ACDelco) co-op experience. The college will appoint an individual to supervise student progress.

### ***Course Materials***

IAGMASEP and General Motors Service Technical College (GM STC) will provide selected curriculum and GM STC materials. The materials are available for download at [www.gmasep.com](http://www.gmasep.com). In addition each ASEP school must use the new GM ASEP Automotive Curriculum Series by Pearson developed specifically for GM ASEP

## **STANDARD FOUR - COURSE CREDIT**

The student will receive credit from General Motors for the GM STC courses that are embedded in the college course of study when the student graduates from a program that meets all program standards. The GM course credit is in addition to the associate degree awarded by the college.

General Motors Service Technical College administers GM course credit for courses embedded in the college ASEP course of study. The employing GM dealership is credited with the student's training history after the student graduates. The procedures for administering course credit in the General Motors Training Management System are further described below.

### ***Embedded VCT, Simulation & Hands on Courses***

The standards committee has identified a list of GM STC competencies that must be embedded within the college course of study. The embedded competencies shall be reviewed and updated annually by the standards committee. The process of building in or embedding GM STC competencies into the college course of study may vary by institution, but it is ultimately the responsibility of the college to ensure compliance.

The Student Progress Chart lists the minimum GM STC courses that the graduate will receive credit for upon mastering each course competency. Credit may be granted for additional GM STC courses if the specified competencies are achieved.

### ***WBT Courses***

Students must complete all prerequisites as required by the GM Training website and detailed at [www.gmtraining.com](http://www.gmtraining.com). Instructors should assign WBT course material as prerequisite to hands-on training. WBT training should be completed by the student outside of normal class time.

Since WBT course requirements may change periodically, it is the student's responsibility to complete all prerequisite WBT course requirements applicable to the year in which a student graduates prior to receiving GM STC VCT or hands-on course credit.

Instructors should verify that each student has completed all prerequisites prior to submitting the Hands On courses for credit at graduation.

### ***Additional Student Training***

The college may elect to provide additional hands-on training to the students during the regular class sessions for STC credit. Training must meet all STC competencies and be approved by the regional Training Center Manager.

The student may also elect to attend additional GM STC training classes offered at the GM Training Center while on co-op or during the internship portion of the program with the approval of their sponsoring dealer. The training center may make additional classes available that are not part of the embedded course of study. In both cases the student will receive credit for these courses. In these situations, the student is treated as a dealership technician, although the dealership will not receive credit for the training until after the student graduates.

Training center courses may be delivered at the GM Training Center or at the college.

Scheduling of special courses for the GM ASEP class must be a cooperative effort between the college program coordinator and the GM Training Center.

### ***Student Training Credit***

The completion of WBT course components should be assigned and monitored by the GM ASEP instructor in accordance with the GM STC recommended training chronology. However, the ultimate responsibility for completion of the WBT course component(s) lies with the student and will be recorded in the GM STC Training Path. Embedded VCT and hands-on training credit will not be awarded to the student until the student graduates from the program.

Credit for GM STC courses accrue to the dealership after the graduation credit is recorded in the GM STC training management system.

### ***Service Know-How, New Product***

The student is encouraged to complete Service Know-How, New Product, and Technology Close-up course components while on the internship or co-op portion of the program. Service-Know, Emerging Issues and Technology Close-up video presentations represent an integral portion of the GM ASEP training process.

Participants view the video program, complete the test and enter their answers on the GMSTC website <https://www.gmtraining.com>. Once entered into the training management system, click on Testing>Service Technical>Know-How Videos. Find the appropriate course, click take test and answer the questions on the STC website. This credits the appropriate student and the dealership for the course.

To achieve course credit for Emerging Issues and Technology Close-ups, view the course, then log onto the STC website and click on Testing>Service Technical>Know-How Seminars. Find the appropriate course, click take test and answer the questions on the STC website.

### ***Student Progress Chart***

The Student Progress Chart is a selection of current STS courses. These records must be maintained during the time a student is enrolled in the program. The Student Progress Chart is used to document student course completion and is located on the ASEP website at [www.gmasep.com](http://www.gmasep.com). Courses will be selected and submitted for approval on the website. Upon approval all selected courses will be immediately uploaded to each student's permanent record at [www.gmtraining.com](http://www.gmtraining.com).

### ***Graduation Credit***

Graduation credit is awarded to the GM ASEP graduates of institutions meeting all the requirements of the IAGMASEP program standards for the appropriate years. The graduation credit will be entered into the GM learning management system (LMS) for each graduate after all degree requirements have been met. The graduate will receive credit for GM STC courses and a GM ASEP Graduation Number after approval by GM STC.

## Student Testing

The institution should recommend and encourage the student to register for and pass ASE examination(s) prior to graduation. For information about ASE certification testing, go to the ASE website at <http://www.asecert.org/>. To achieve 100% STS requires passing the ASE test in that area.

## 2014 GM ASEP Course Master

NATEF Category	STC Course #	Course Type	Course Title
A1 Engine Repair	16043.52D-R2	Embedded	Engine Mechanical Diagnosis & Measurement
	16043.52H-R2	Embedded	Engine Mechanical Diagnosis & Measurement
	16043.52W1	Prerequisite	Engine Mechanical Diagnosis & Measurement
	16043.52W2	Prerequisite	Engine Mechanical Diagnosis & Measurement
	16043.52W3	Prerequisite	Engine Mechanical Diagnosis & Measurement
	16341.03V	Prerequisite	2.4L Ecotech Overhaul
	16341.06V	Prerequisite	LUJ/LUU Engine Camshaft Timing Chain Service
	16043.10H	Optional	Ecotech Generation 2 Overhaul
	16440.18D	Embedded	Engines: New and Updates for RPOs LT1, LV3, LUZ, LKW, LF3, L83, L86
		NATEF A1	Embedded
A2 Automatic Transmissions/Transaxles	17041.50W	Prerequisite	AF33-5, VT25, 5AT & D4AT Overview
	17041.56D1	Embedded	Automatic Transmission Operation, Diagnosis and Service 1
	17041.56D2	Embedded	Automatic Transmission Operation, Diagnosis and Service 2
	17041.56H	Embedded	Automatic Transmission Operation, Diagnosis and Service
	17041.56W1	Prerequisite	Automatic Transmission Operation, Diagnosis and Service 1
	17041.56W2	Prerequisite	Automatic Transmission Operation, Diagnosis and Service 2
	17041.56W3	Prerequisite	Automatic Transmission Operation, Diagnosis and Service 3
	17041.35W	Prerequisite	5L40-E/5L50-E Auto Trans
	17041.36V	Prerequisite	5L40-E/5L50-E Auto Trans Serv
	17440.14D	Embedded	Transmissions: New & Updates for 6L80, 6T30/40/45, 6T70, 4L60, Aisin TL80, MFL, 1ET35, TR6070
	17041.55V	Prerequisite	6T70/75 Automatic Transaxle Unit Repair
	17041.60V	Prerequisite	6L80E Automatic Transmission Functions & Features
	17041.65HR2	Optional	Six Speed Automatic Transmission/Transaxle Mechanical
	17340.10V	Optional	Allison LCT 1000 Automatic Transmission Part 1
	17340.11V	Optional	Allison LCT 1000 Automatic Transmission Part 2
	17340.12D	Optional	Allison LCT 1000 Automatic Trans Diagnostic Issues
	NATEF A2	Embedded	ALL NATEF A2 Competencies
A3 Manual Drivetrain & Axles	13042.12D1	Embedded	Noise, Vibration & Harshness
	13042.12D2	Embedded	Noise, Vibration & Harshness
	13042.12W	Prerequisite	Noise, Vibration & Harshness
	13042.12H	Embedded	Noise, Vibration & Harshness
	14041.18W1	Prerequisite	Propshaft and Rear Axles Operation, Diagnosis and Service
	14041.18W2	Prerequisite	Propshaft and Rear Axles Operation, Diagnosis and Service
	14041.18H	Embedded	Propshaft and Rear Axles Operation, Diagnosis and Service
	14043.17W1	Prerequisite	Passenger Car AWD/FWD Operation, Diagnosis and Service



		14043.17W2	Prerequisite	Passenger Car AWD/FWD Operation, Diagnosis and Service
		14043.17D	Embedded	Passenger Car AWD/FWD Operation, Diagnosis and Service
		17043.38W1	Prerequisite	FWD/RWD Operation, Diagnosis and Service
		17043.38W2	Prerequisite	FWD/RWD Operation, Diagnosis and Service
		17043.38W3	Prerequisite	FWD/RWD Operation, Diagnosis and Service
		17043.38W4	Prerequisite	FWD/RWD Operation, Diagnosis and Service
		17043.38H	Optional	FWD/RWD Operation, Diagnosis and Service
		14043.25W1	Prerequisite	Truck AWD/4WD Operation, Diagnosis and Service
		14043.25W2	Prerequisite	Truck AWD/4WD Operation, Diagnosis and Service
		14043.25D	Embedded	Truck AWD/4WD Operation, Diagnosis and Service
		17440.14D	Embedded	Transmissions: New & Updates for 6L80, 6T30/40/45, 6T70, 4L60, Aisin TL80, MFL, 1ET35, TR6070
		14043.25H	Embedded	Truck AWD/4WD Operation and Diagnosis.
		NATEF A3	Embedded	ALL NATEF A3 Competencies
<b>A4</b>	<b>Steering &amp; Suspension</b>	13041.15W1-R2	Prerequisite	GM Steering Systems & Diagnosis 1
		13041.15W2	Prerequisite	GM Steering Systems & Diagnosis 2
		13044.11S-R2	Embedded	GM Chassis Control Systems
		13044.20H	Optional	GM Chassis Control Systems
		13044.20W	Prerequisite	GM Chassis Control Systems
		NATEF A4	Embedded	ALL NATEF A4 Competencies
<b>A5</b>	<b>Brakes</b>	15045.18D	Embedded	GM Braking Systems
		15045.18W1	Prerequisite	GM Braking Systems 1
		15045.18W2	Prerequisite	GM Braking Systems 2
		15045.18W3	Prerequisite	GM Braking Systems 3
		15045.18W4	Prerequisite	GM Braking Systems 4
		15045.18H	Embedded	GM Braking Systems
		NATEF A5	Embedded	ALL NATEF A5 Competencies
		15045.11S-R3	Embedded	GM Braking Systems
<b>A6</b>	<b>Electrical Systems</b>	16041.09W	Prerequisite	Battery, Charging, & Starting Systems
		16048.30HR2	Embedded	Global Diagnostic Systems (GDS) 2
		18043.07H-R2	Optional	Elec/Elec Terminal and Connectors
		18044.20D1	Embedded	GM Global Electrical Systems Session 1
		18044.20D2	Embedded	GM Global Electrical Systems Session 2
		18044.20D3	Embedded	GM Global Electrical Systems Session 3
		18044.20D4	Embedded	GM Global Electrical Systems Session 4
		18044.20H	Optional	GM Global Electrical Systems
		18044.22V	Embedded	Diagnostic Strategy for Data Communication
		18044.25H	Optional	Body Electrical Accessory Systems
		19040.37D1	Prerequisite	OnStar Systems and Technology Session 1
		19040.37D2	Prerequisite	OnStar Systems and Technology Session 2
		19047.09W	Prerequisite	Entry and Security Systems
		19047.20W1	Prerequisite	Entertainment Systems 1
		19047.20W2-R3	Prerequisite	Entertainment Systems
		19047.20W3	Prerequisite	Entertainment Systems 3
		19047.20H	Optional	Entertainment Systems
		22048.42W1	Prerequisite	GM Safety Systems
		22048.42W2	Prerequisite	GM Safety Systems

		22048.42W3	Prerequisite	GM Safety Systems 3
		22048.42H	Optional	GM Safety Systems
		19047.22D-R2	Optional	Infotainment Operation and Diagnosis
		19047.23D	Optional	MOST Network Diagnostics and Infotainment System Programming
		18044.30H	Optional	Data Communication Diagnosis
A7	Heating & Air Conditioning	NATEF A6	Embedded	ALL NATEF A6 Competencies
		11044.05D	Embedded	HVAC Systems and Operation
		11044.05H	Embedded	HVAC Systems and Operation
		11044.05W1	Prerequisite	HVAC Systems and Operation 1
		11044.05W2	Prerequisite	HVAC Systems and Operation 1
		11045.07V	Prerequisite	R1234yf A/C System Service Equipment
A8	Engine Performance	NATEF A7	Embedded	ALL NATEF A7 Competencies
		16044.21D1	Embedded	Engine Performance
		16044.21D2	Embedded	Engine Performance
		16044.21D3	Embedded	Engine Performance
		16044.21H	Embedded	Engine Performance
		16044.21W1	Prerequisite	Engine Performance
		16044.21W2	Prerequisite	Engine Performance
		16044.21W3	Prerequisite	Engine Performance
		16044.21W4	Prerequisite	Engine Performance
		16044.20D	Embedded	Spark Ignited Direct Injection (SIDI) Fuel Injection System
		16050.12D1	Embedded	Camshaft Actuator System & AFM Session 1
		16050.12D2	Embedded	Camshaft Actuator System & AFM Session 2
		16050.20T1	Prerequisite	Camshaft Variable Lift Systems
		NATEF A8	Embedded	All NATEF A8 Competencies
ALL	Fundamentals	10041.12W	Prerequisite	SI Overview
		10207.13D	Prerequisite	SKH-TCU Service Programming Tips
		16048.18W	Prerequisite	Tech 2 Familiarization
		16048.25W-R3	Prerequisite	Multiple Diagnostic Interface (MDI) Familiarization
		18043.01W-R4	Prerequisite	Electrical/Electronics Stage 1
		18043.02W-R4	Prerequisite	Electrical/Electronics Stage 2
		18043.03W-R3	Prerequisite	Electrical/Electronics Stage 3
		18044.20W-R2	Prerequisite	GM Global Electrical Systems
		16048.30W-R2	Prerequisite	Global Diagnostic Systems (GDS) 2
		FVCT1.09D(V)	Prerequisite	How to use VCT
		VCF1V.H11D-0D	Prerequisite	Brand Quality, Customer Retention and the 3 C's
		18400.30W	Prerequisite	Introduction to Hybrid and Electric Vehicles
		18440.01W	Prerequisite	High Voltage System Safety
ALL	Emerging Issues	10214.01D	Prerequisite	2014 SKH Seminar January Emerging Issues
		10214.02D	Prerequisite	2014 SKH Seminar February Emerging Issues
		10214.03D	Prerequisite	2014 SKH Seminar March Emerging Issues
		10214.04D	Prerequisite	2014 SKH Seminar April Emerging Issues
		10214.05D	Prerequisite	2014 SKH Seminar May Emerging Issues
		10214.06D	Prerequisite	2014 SKH Seminar June Emerging Issues
		10214.07D	Prerequisite	2014 SKH Seminar July Emerging Issues
		10214.08D	Prerequisite	2014 SKH Seminar August Emerging Issues
		10214.09D	Prerequisite	2014SKH Seminar September Emerging Issues

	10214.10D	Prerequisite	2014 SKH Seminar October Emerging Issues
	10214.11D	Prerequisite	2014 SKH Seminar November Emerging Issues
	10214.12D	Prerequisite	2014 SKH Seminar December Emerging Issues
	10215.01D	Prerequisite	2015 SKH Seminar January Emerging Issues
	10215.02D	Prerequisite	2015 SKH Seminar February Emerging Issues
	10215.03D	Prerequisite	2015 SKH Seminar March Emerging Issues
	10215.04D	Prerequisite	2015 SKH Seminar April Emerging Issues
	10215.05D	Prerequisite	2015 SKH Seminar May Emerging Issues
	10215.06D	Prerequisite	2015 SKH Seminar June Emerging Issues
	10215.07D	Prerequisite	2015 SKH Seminar July Emerging Issues
	10215.08D	Prerequisite	2015 SKH Seminar August Emerging Issues
	10215.09D	Prerequisite	2015 SKH Seminar September Emerging Issues
	10215.10D	Prerequisite	2015 SKH Seminar October Emerging Issues
	10215.11D	Prerequisite	2015 SKH Seminar November Emerging Issues
	10215.12D	Prerequisite	2015 SKH Seminar December Emerging Issues
	10210.13H	Optional	Strategies for Efficient Diagnosis
Advanced Technology Vehicles	18070.40W-R2	Prerequisite	Hybrid Vehicles: Theory, Oper. & Ser.
	18078.00D1	Embedded	Hybrid Diagnosis & Repair – Session 1
	18078.00D2	Embedded	Hybrid Diagnosis & Repair – Session 2
	18441.01W-R2	Prerequisite	Two-mode Hybrid 300V Battery System Theory and Operation
	18442.01W-R2	Prerequisite	2ML70 Transmission Theory and Operation
	18443.01W-R2	Prerequisite	Two-mode Hybrid Supporting Systems
	18444.01W	Prerequisite	Two-mode Hybrid System Diagnosis
	18445.01D1	Embedded	Two-mode Hybrid Diagnosis and Repair
	18445.01D2	Embedded	Two-mode Hybrid Diagnosis and Repair
	18446.01H	Optional	Two-mode Hybrid Safety and Battery Sys.
	18447.01H	Optional	Two-mode Hybrid Transmission and Supporting Systems
Diesel Engine Performance	16410.00D1	Optional	Duramax 6600 Operation, Diagnosis and Service
	16410.00D2	Optional	Duramax 6600 Operation, Diagnosis and Service
	16410.00D3	Optional	Duramax 6600 Operation, Diagnosis and Service
	16410.00H	Optional	Duramax 6600 Operation, Diagnosis and Service
	16410.00W1	Optional	Duramax 6600 Operation, Diagnosis and Service
	16410.00W2	Optional	Duramax 6600 Operation, Diagnosis and Service
	16410.00W3	Optional	Duramax 6600 Operation, Diagnosis and Service
	16440.15D1	Optional	Engines: New & Updates for RPOs LGH & LML
	16440.15D2	Optional	Engines: New & Updates for RPOs LGH & LML

**Table #1\***

	Advanced Technology Vehicles		
	18070.40W-R2	2012 Instructor Training Requirement 2013 Student Requirement	Hybrid Vehicles: Theory, Oper. & Ser.
	18078.00D1	2012 Instructor Training Requirement 2014 Student Requirement	Hybrid Diagnosis & Repair – Session 1
	18078.00D2	2012 Instructor Training Requirement 2014 Student Requirement	Hybrid Diagnosis & Repair – Session 2
	18441.01W-R2	2012 Instructor Training Requirement 2013 Student Requirement	Two-mode Hybrid 300V Battery System Theory and Operation
	18442.01W-R2	2012 Instructor Training Requirement 2014 Student Requirement	2ML70 Transmission Theory and Operation
	18443.01W-R2	2012 Instructor Training Requirement 2014 Student Requirement	Two-mode Hybrid Supporting Systems
	18444.01W	2012 Instructor Training Requirement 2013 Student Requirement	Two-mode Hybrid System Diagnosis
	18445.01D1	2012 Instructor Training Requirement 2014 Student Requirement	Two-mode Hybrid Diagnosis and Repair – Session 1
	18445.01D2	2012 Instructor Training Requirement 2014 Student Requirement	Two-mode Hybrid Diagnosis and Repair – Session 2
	18446.01H	2012 Instructor Training Requirement 2015 Optional, but recommended if vehicles are available. Based on vehicle availability at all schools, we would revisit the possibility of making this course a student requirement	Two-mode Hybrid Safety and Battery System Service
	18447.01H	2013 Instructor Training Requirement	Two-mode Hybrid Transmission and Supporting Systems
	18070.45W	2013 Instructor Training Requirement	eAssist Introduction
	18070.46T1	2013 Instructor Training Requirement	eAssist Safety
	18070.47W	2013 Instructor Training Requirement	eAssist Battery Storage System
	18070.50H	2013 Instructor Training Requirement	eAssist System Diagnosis and Svc.
	18240.02T1-R2	2013 Instructor Training Requirement	EREV High Voltage Disable Procedure
	18420.01W-R2	2013 Instructor Training Requirement	EREV Introduction and Safety
	18420.02W-R2	2013 Instructor Training Requirement	High Voltage Energy Storage Systems
	18420.03W-R2	2013 Instructor Training Requirement	Advanced Technology Vehicle Power Electronics
	18420.04W-R2	2013 Instructor Training Requirement	Adv. Technology Vehicle Transmission
	18420.05W-R2	2013 Instructor Training Requirement	Advanced Vehicle Technology Supporting Sys
	18420.06D1-R2	2013 Instructor Training Requirement	Electric Vehicle Systems Diagnosis and Service
	18420.06D2-R2	2013 Instructor Training Requirement	Electric Vehicle Systems Diagnosis and Service
	18420.06H-R2	2013 Instructor Training Requirement	Electric Vehicle Systems Diagnosis and Service
	18420.02W2	2013 Instructor Training Requirement	High Voltage Energy Storage Systems 2
	18420.04W2	2013 Instructor Training Requirement	Adv. Technology Vehicle Transmission 2
	18420.10D-R2	2013 Instructor Training Requirement	High Voltage Battery Internal Service
	18420.15V	2013 Instructor Training Requirement	Chevrolet Volt Customer Satisfaction Program 11342
	16240.62W	2013 Instructor Training Requirement	CNG Fuel Systems
	16240.70W	2013 Instructor Training Requirement	Bi-Fuel Systems Operation

\*ALL instructors at a given school are required to have ALL of the listed courses for a given year EXCEPT for the hands-on courses. Only 1 instructor at each school is required to have any listed hands-on course in the above table.