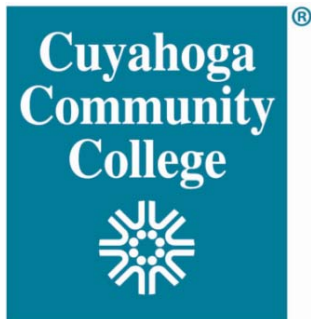




Automotive Service Educational Program

Information Guide



2013-2015

**CUYAHOGA COMMUNITY COLLEGE
AUTOMOTIVE TECHNOLOGY**

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**CUYAHOGA COMMUNITY COLLEGE
GENERAL MOTORS AUTOMOTIVE SERVICE EDUCATIONAL PROGRAM
(GM ASEP)**

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GM ASEP

General Motors Automotive Service Educational Program

WHAT IS GM ASEP?

Responding to the need for qualified technicians, the GM Automotive Service Educational Program (ASEP) allows GM dealerships and Total Service Support (TSS) ISC's to participate in programs that bring students together with GM dealerships and service centers. GM ASEP incorporates advanced automotive technical training with a strong academic foundation of math, reading, and electronics in both analytical and technical skills. Students earn an Associate Degree while working and learning on the job resulting in a solid education combined with invaluable work experience.

The Automotive Service Educational Program (ASEP) is a cooperative two-year college level student technician-training program, which leads to an Associate in Applied Science degree with a major in Automotive Technology. The Automotive Technology Department at Cuyahoga Community College administers the GM ASEP activities, working in close relationship with the Regional General Motors Training Center located in Detroit, Michigan. GM ASEP is exclusively by and for General Motors, its dealers and ACDelco TSS centers.

WHAT IS THE PURPOSE OF GM ASEP?

The purpose of GM ASEP is to upgrade the technical competency and professional level of incoming General Motors technicians. It will train GM ASEP students to analytically diagnose, service and maintain General Motors automotive products using recommended procedures, special tools and service information. It will provide course content that will enable the successful graduate to advance in position after additional experience, and to understand new systems and components as they are introduced.

HOW DOES IT WORK?

The two-year, five-semester program incorporates approximately one-half of the time designated for technical academic training at Cuyahoga Community College. The remaining time is allocated for on-the-job experience at the sponsoring GM dealerships or ACDelco TSS shops. Each block of technical training and general education course work is followed by an immediate dealership work experience time period, which reinforces the technical training. It is essential for the success of the program that the student's education at Cuyahoga Community College and dealership work experiences be closely aligned for maximum student learning retention.

Since considerable time is spent at the dealership, it is a requirement of the program that the student have a sponsoring General Motors dealership prior to enrollment. The primary responsibility for the dealership is to provide training-related employment for the student during his/her work experience periods.

All tuition, fees, textbooks, travel expenses and housing costs are the responsibility of the student. In addition to these costs, the student is required to purchase a prescribed tool set if he or she does not already have one.

WHAT SUBJECTS ARE STUDIED?

The GM ASEP program consists of technical training on General Motors vehicles and components including the latest development in Engine Repair, Heating & Air Conditioning, Manual Transmission and Drivetrain, Alignment, Steering and Suspension, Automatic Transmissions, Braking Systems, Electrical Systems and Engine Performance.

In addition to the technical curriculum, courses will be offered in areas such as Math, Communication, Composition/Technical Writing, Psychology, Sociology, Information Technology and Business to provide students with the background necessary for effective communication of ideas and the development of interpersonal skills.

WHAT IS THE PURPOSE OF THE COOPERATIVE EXPERIENCE AT THE DEALERSHIP? (INTERNSHIP)

The internship allows the student to apply (in real world setting) what he/she has learned during the previous classroom session. In addition, the student becomes familiar with the dealership environment, its organizational structure, and the competencies that are expected of a professional service technician.

WHAT IS REQUIRED TO QUALIFY AS A PROSPECTIVE GM ASEP STUDENT?

The prospective student must be:

- 18 years of age by the time of the first internship.
- High School Graduate or equivalent.
- Able to meet Tri-C and GM ASEP admission and academic requirements.
- Sponsored by a General Motors Dealer or ACDelco TSS shop.
- Possess a valid Driver's license and maintain an employable driving record.
- Willing to take a drug test if requested by Dealer Sponsor.
- Sincere about becoming the best service technician he/she can be.

GM ASEP Admission Procedures and Requirements

- ❶ ☐ Complete the *Application for Admission* to the College itself.
Submit your official transcripts from high schools and colleges attended or your GED scores to Admissions and Records at the Western Campus.
- ❷ ☐ Complete the *Application for Admission to the General Motors Automotive Service Educational Program* (GM ASEP)
Return it to the Automotive Technology Center at the Western Campus, c/o GM ASEP Coordinator.
Include a letter of recommendation from your automotive instructor, high school or college (where applicable).
- ❸ ☐ Take the English and Mathematics Assessment/Placement tests at the Technology Learning Center.
 - These determine English and Mathematic courses an applicant should register for. Successful completion of English 1010 and Math 1000 level or higher are required to complete this program.**Therefore: Students need to assess at Math 0950 and English 0990 or higher to gain acceptance into the program.**
- ❹ ☐ An interview with the GM ASEP College Coordinator will be scheduled for the purpose of:
 - interviewing the student
 - explaining the importance of the general education courses required for GM ASEP graduation
 - discussing procedures for obtaining a GM dealership to serve as the technical field experience and the importance of a GM dealership career
 - administering an aptitude test
 - discussing your financial plan to provide for your schooling.

Applicants shall be informed of the results of the interview. There are four possible results to your interview:

 1. ☐ Tentative acceptance into the GM ASEP program dependent on obtaining a GM sponsor.
 2. ☐ Tentative acceptance into the GM ASEP program dependent on completion of Auto 1100 and obtaining a GM sponsor.
 3. ☐ Placement on a waiting list for a future GM ASEP class.
 4. ☐ Option to enter the Automotive Technology degree program, or the one year Certificate program at Cuyahoga Community College.
- ❺ ☐ Student must obtain a letter of recommendation from their automotive high school instructor (when applicable).
- ❻ ☐ Students should work towards the completion of the following courses before the start of the GM ASEP class in the fall.
 - ☐ English 0990 if indicated by assessment testing
 - ☐ MATH 0950 if indicated by assessment testing
- ❼ ☐ At this time an applicant shall secure a General Motors dealership worksite or ACDelco TSS shop worksite for the technical field experience portion of the program. The employment interview with the service manager at the dealer and obtaining sponsorship is your responsibility. Sponsorship is possible at all Chevrolet, Buick, Cadillac and GMC dealers; along with GM fleet operators and ACDelco TSS sites. The College will be able to provide you with a list of dealers who have expressed an interest in sponsoring a GM ASEP student. Notify the GM ASEP College Coordinator as soon as your sponsoring dealer is located.

Applicants who have met all of these requirements will receive written notification of acceptance into the General Motors Automotive Service Educational Program.

FINANCIAL ASSISTANCE

Students desiring to be a part of the GM ASEP program may have a need for financial assistance. Students involved in the program have the opportunity to earn while they learn during the dealership internship portion of the program. These earnings generally cover the costs incurred for living expenses during the internship.

Additional financial aid, through loans or grants, for tuition, books, tools, etc. may be available through various financial assistance programs. Students needing financial assistance are encouraged to complete the application for financial aid as early as possible. Following application submittal, allow a 6-8 week period for processing. Early application assures availability of funds, if qualified and allows the Financial Aid Office to prepare a realistic financial aid package.

Information regarding financial aid may be obtained by calling the Financial Aid Office, Western Campus at 216 987-5100.

Note: Tools required for the GM ASEP program are considered an educational expense and should be included in education costs when applying for financial aid.

GENERAL MOTORS
AUTOMOTIVE SERVICE EDUCATIONAL PROGRAM (GM ASEP)
Suggested Course Sequence
2013-2015

FIRST YEAR

August 2013

<u>First Semester - Fall 2013</u>		1st Eight Weeks, Session A – At School	<u>Credit Hours</u>
MATH 0950	Beginning Algebra I (only if needed)		4
AUTO-1501	Automotive Electrical Fundamentals		2
AUTO-1300	Automotive Engines		3
AUTO-1050	Numerical Applications in Automotive Service		3
IT-1010	Introduction to Microcomputer Applications		3

October through December 2013 **2nd Eight Weeks, Session B – At the Dealership**

AUTO-1940	Automotive Field Experience I		$\frac{1}{16}$
Total Credits			16

January 2014

<u>Second Semester - Spring 2014</u>		1st Eight Weeks, Session A – At School	<u>Credit Hours</u>
AUTO-1350	Manual Transmission and Drivetrain		2
AUTO-1400	Automotive Alignment, Steering and Suspension		3
AUTO-1450	Automotive Braking Systems		3
ENG-1010	College Composition I		3
MATH-XXXX	Mathematics 1000 level or higher - MATH 1060 recommended		3

March through May 2014 **2nd Eight Weeks, Session B – At the Dealership**

AUTO-1950	Automotive Field Experience II		$\frac{1}{15}$
Total Credits			15

May 2014

<u>Third Semester - Summer 2014</u>		1st Five Weeks, Session J – At School	<u>Credit Hours</u>
AUTO-2701	Automotive Service Operations		3
AUTO-2350	Automotive HVAC		2
AUTO-2470	Automotive Electrical Systems		2
SPCH-1000	Fundamental-Interpersonal Communication		3

July through August 2014 **2nd Five Weeks, Session K – At the Dealership**

AUTO-1960	Automotive Field Experience II		$\frac{1}{11}$
Total Credits			11

SECOND YEAR

August 2014

<u>Fourth Semester - Fall 2014</u>	1st Eight Weeks, Session A – At the Dealership	<u>Credit Hours</u>
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AUTO-2940	Automotive Field Experience IV	1
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October through December 2014	2nd Eight Weeks, Session B – At School
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AUTO-2300	Automatic Transmissions	3
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AUTO-2400	Engine Performance	3
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BADM-1020	Introduction to Business	3
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PSY-1010	General Psychology	3
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Total Credits 13

January 2015

<u>Fifth Semester - Spring 2015</u>	1st Eight Weeks, Session A – At Dealership	<u>Credit Hours</u>
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AUTO-2950	Automotive Field Experience V	1
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March through May 2015	2nd Eight Weeks, Session B – At School
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AUTO-2500	Automotive Electrical Diagnosis	2
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AUTO-2450	Automotive Electronic Engine Controls	3
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SPCH-1010	Fundamentals of Speech Communication	3
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ECON-1210	Survey of Economics	3
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Total Credits 12

**This is the recommended semester sequence for the GM ASEP Program.
Please see the College catalog for further information or details.**

CUYAHOGA COMMUNITY COLLEGE GM ASEP TOOL LIST

Mill File, 10"	Hammer, 24 oz., Brass
¼" Drive Deep Socket Set, 3/16-9/16	Hack Saw
¼" Drive, Deep and Shallow Socket Set, Metric, 5.5, 7, 8, 10, 12 and 13mm	Blow Gun
¼" Drive Gen. Service Set	Ignition Tester
3/8" Drive Gen. Service Set	Combination Wrench Set, 3/8"-1"
3/8" Drive Deep and Shallow Socket Sets, Metric, 8-19mm	Combination Wrench Set, Metric 10-19mm
½" Drive Gen. Service Set	Combination Wrench, ¼"
Hex Key Set	Combination Wrench, 5/16"
Hex Key Set, Metric	Combination Wrenches, 6mm-9mm
Brake Hold Down Spring Tool	Gasket Scraper
Rubber Mallet	Pliers Set (Needle Nose, Side Cutter, Lock Joint)
Hammer, 24 oz.	Punch & Chisel Set
Brake Return Spring Tool	Magnetic Pick-Up Tool
Pliers, Adjustable Joint (water pump)	Wire Crimper/Stripper
Fender Cover	Flare Nut Wrench Set, Metric, (9-11 to 19-21mm)
12V Test Light	Flare Nut Wrench Set (1/4"-13/16")
Feeler Gauge Set	Screwdriver Set (Flat & PHILLIPS®)
TORX Drivers, T45, T50, T55	POZIDRIVE® Bits, #1 and #2
3/8 Drive, Extension, 11"	TORX® Bits, T10, T20, T25
Valve Tool	Pry Bar, 18"
Utility Knife	Screwdriver, Ratcheting, with bits
Inspection Mirror	¼" Drive Driver
Tire Air Chuck	Vise Grip, 10"
Oil Filter Wrench (small)	Tire Pressure Gauge
Oil Filter Wrench	Roll Cabinet
Rule, 6" Steel (150mm)	
½" Drive to 3/8" Drive Adaptor	
Safety Glasses	
File Handle	

Students are required to have a basic hand tool set for use at the dealership.



Application for Admission
General Motors Automotive Service Educational Program (GM ASEP)
A NATEF Certified Program

To be considered for the GM ASEP program: 1) The application must be complete and signed 2) The applicant must be interviewed by the program coordinator 3) There must be a recommendation from the high school instructor (where applicable).

(Please Print)

Personal Data

Last Name	First Name	Middle Initial
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Street Address	City	State	Zip Code
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Date of Birth (including year) _____

Telephone Numbers: Day _____ Evening _____ Cell _____

Driving Record Data

Do you hold a valid driver's license? Yes [] No [] License # _____ Expiration Date _____

How many points do you have on your driver's license? _____

Would you be willing to submit a copy of your driving record? Yes [] No []

PLEASE NOTE: If you have more than **4** points on your driver's license you **may** be denied acceptance into the GM ASEP program due to **dealership insurance carrier restrictions**.

Education

Please list your educational background beginning with the most current first:

<u>School/College</u>	<u>Location</u>	<u>Dates Attended</u>	<u>Did you graduate?</u>
<u>Degrees/Diploma</u>			

Formal Automotive Training

1. Did you participate in a **high school** AYES or Tech Prep automotive program? Yes [] No [] If Yes, please

indicate High School attended: _____ Number of years: _____

Instructor's Name(s): _____

2. Did you participate in a **college** automotive program?

Yes [] No [] If Yes, please indicate

College attended: _____ Number of years: _____

Instructor's Name(s): _____

Qualities

List your strengths that would make you a good candidate for a GM dealership.

List your weaknesses that you want to improve on to make you a better candidate for a GM dealership.

Work Experience

Work Experience (beginning with the most recent):

1. Employer Location Supervisor Telephone Dates: From - To

Duties: _____

May we contact for references? Yes [☐] No [☐]

2. Employer Location Supervisor Telephone Dates: From - To

Duties: _____

May we contact for references? Yes [☐] No [☐]

3. Employer Location Supervisor Telephone Dates: From - To

Duties: _____

May we contact for references? Yes [☐] No [☐]

Statement

I hereby state that the information given above is true and correct. I understand that if I knowingly provided incorrect or false information that I may forfeit the opportunity to be selected as a participant in the GM ASEP Program.

Cuyahoga Community College is committed to continuing affirmative action and equal opportunities for access to employment and education and thus does not discriminate against current or potential employees or students on the basis of race, color, religion, sex, national origin or ancestry, age, handicap, or status as a disabled or Viet Nam-Era veteran. Inquiries concerning the College's affirmative action/equal opportunity policy should be directed to: The Office of Human Resources/Personnel Relations, Cuyahoga Community College, 700 Carnegie Avenue, Cleveland, Ohio 44115 (216) 987-4000.

In addition, I hereby authorize Cuyahoga Community College to release any placement test scores, final grades, college transcripts, and/or academic information, if requested, to the sponsoring GM dealership. I also hereby authorize the release of placement test scores, college transcripts and/or academic information to Cuyahoga Community College employees and/or any agency or private business for educational, scholarship, or employment purposes only.

Applicant's Signature: _____ Date: _____

College Use Only

Was the applicant interviewed? Yes [☐] No [☐] By: _____ Date: _____

Please return completed application to:

Automotive Technology
Western Campus
11000 Pleasant Valley Road
Parma, OH 44130-5199

GENERAL MOTORS DEALER INFORMATION

How will GM ASEP benefit your dealership?

Your answer to the skilled technician shortage. GM ASEP responds to the needs of General Motor's dealers for highly qualified, motivated and skilled technicians.

Technicians who are. . . .

1. Trained on all current GM products.
2. Trained in the latest diagnostic and servicing procedures
3. Trained to "do it right the first time!"
4. Trained with a positive attitude about their job.
5. Productive before they complete their training.
6. Educated in the important areas of communication, reading, mathematics and critical thinking.

GM ASEP is a planned dealer personnel development program. GM ASEP combines the resources of General Motors with the expertise of the Automotive Technology Department at Cuyahoga Community College and your dealership or ACDelco TSS shop to build a true educational partnership! A partnership designed to focus on the success of your potential employee, the GM ASEP student. A GM ASEP education, along with additional experience and guidance helps you develop future:

1. Master Technicians
2. Shop Foremen
3. Service Advisors/Consultants
4. Service Managers

GM ASEP is cost effective! The best news is that there is no required up-front cost for the dealership. Your investment is minimal. Here's why . . .

1. You select and supervise the student as a productive employee of your dealership. The cooperative educational work experience occurs in your dealership, under your supervision and direction.
2. The student is responsible for the cost of tuition, fees, books and the required basic tool set.
3. You and the student agree on the wage rate during the educational work experience. You are not required to pay them while they are attending classes at Cuyahoga Community College.
4. You may elect to provide incentives or financial help to your student, at your option.
5. You may elect to provide a work uniform for the student (both while at school and at the dealership).
6. The student will have an extensive GM training history to bring to your dealership **upon graduation**, which will help your dealership meet the Dealership Service Training Standards.



THE GM ASEP FINANCIAL ADVANTAGE (*You Save \$31,706.00*)

Upon graduation, Cuyahoga Community College grants an Associate of Applied Science Degree and General Motors grants ASEP Graduation credit. This course credit allows the sponsoring dealership to add all the student's embedded STC training hours to the dealership Service Training Standards Requirements. Sponsoring a GM ASEP student would save a dealership approximately \$31,706. (This estimate represents lost productivity plus expenses to send a technician to all-included STC classes either on site or at a regional training center.)

Total embedded GM STC training hours received by GM ASEP students = 315.5	
Lost productivity of a technician taking 315.5 hours of training @ \$75.00/hour billable amount.	\$23,663
Technician pay for 315.5 hours @ \$22.45 per hour (Union Clock Hour Rate).	\$7083
Estimate of travel expense for eight hands on training classes at regional test centers @ \$120 average per trip.	\$960
Total <i>you save</i> from sponsoring a GM ASEP student vs. training your own.	\$31,706

How are GM ASEP students recruited?

The Cuyahoga Community College Automotive Technology program actively recruits students from the high schools and area Vocational-Technical Schools. If your dealership is interested in sponsoring a GM ASEP student, we will place special emphasis on recruiting a top quality student for you from your area. You should, however, actively recruit a student from your local high school, area Vocational-Technical School or you may possibly have someone already working in your dealership who shows interest in being a technician but who needs training. If you identify an interested student applicant, have him/her contact a GM ASEP faculty member using the information listed in the front of this Information Guide.

What are the responsibilities of a participating dealership?

1. Indicate interest in becoming a sponsoring dealership so dealer name can be made available to prospective students.
2. Recruit, interview and select prospective student.
3. Provide uniforms for the student (for use both at school and at the dealership).
4. Assign an in-dealership GM ASEP coordinator who will monitor and advise the student during the internship.
5. Provide dealership coordinated educational work experience in areas of technical training that were conducted at Cuyahoga Community College.
6. Pay wages to the student during periods of coordinated educational work experience at the dealership that will instill in the student a sense that their employment is necessary to the dealership and promote dealership loyalty.
7. Complete student evaluation forms each internship.
8. Advise school of concerns or changes in student status with dealership.

What do I pay a GM ASEP student?

The GM ASEP Advisory Committee has recommended a student-starting wage of \$8.00 to \$10.00 per clock hour with incremental raises upon successful completion of each internship period. The rate of pay is however, negotiable, and is between you and the student. GM ASEP students base their value to the dealership on two important factors; the quality of training that is provided while on work experience at the dealership and prevailing wages. Successful people are motivated by a variety of things, but most expect to be rewarded in the form of an increase in salary. This is especially true when they are performing jobs well and continue to improve their skills and abilities. GM ASEP students are no different. A pay plan that rewards them for maintaining acceptable grades, doing quality work, and improving productivity and efficiency is essential.

GM ASEP students understand they are trainees, and do not expect to be paid a journeyman wage during the training program. However, many of the best students have bills to pay, and families to support. The Service Manager will do well to consider the student's situation to arrive at an acceptable starting wage, and when developing the pay plan or any incentive schedule.

In today's increasingly competitive market, customer satisfaction and customer loyalty is the key to success and survival. For your dealership, the key to customer satisfaction is your service department. Where do you find the right employees? The answer is to attract and develop new technicians through the GM ASEP program.

At the completion of the GM ASEP program, you have a potential employee that is familiar with you, your dealership, and the vehicles that you sell and service. You select the students you want to hire and teach them your way of doing business. The objective of GM ASEP is simple, to select the best people to work on the best vehicles, and provide the best service possible.

The following is a simple worksheet that may be used to figure your potential profit from sponsoring a GM ASEP student.

Weekly cost of a GM ASEP Student

GM ASEP student weekly wage _____

Uniforms, benefits, unemployment, workman's comp. + _____

Total Cost per Week = _____

Dealership posted labor rate _____

Hours produced by the GM ASEP student x _____

Total Income per Week = _____

Total Income per Week _____

Total Cost per Week - _____

Dealership Profit per Week = _____

What kind of GM training does the GM ASEP student receive?

The GM ASEP student will receive an extensive GM training history to bring to your dealership ***upon graduation***. This will help your dealership meet the Service Training Standard established by General Motors and your respective division(s). The GM ASEP student will at a minimum receive credit for the embedded GM courses as voted upon by the International Association of GM ASEP.

The following is a list of the required minimum embedded courses for GM ASEP students starting fall 2012.

2013 GM ASEP Course Master

NATEF Category		STC Course #	Course Type	Course Title
A1	Engine Repair	16043.52D	Embedded	Engine Mechanical Diagnosis & Measurement
		16043.52H	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
		16440.16D	Prerequisite	New & Updates for RPOs LLU,LUJ,LUW
		NATEF A1	Embedded	ALL NATEF A1 Competencies
A2	Automatic Transmissions/Transaxles			
		17041.47W	Prerequisite	Automatic Transmissions
		17041.48W	Prerequisite	Automatic Transmission Gearset
		17041.49W	Prerequisite	Automatic Transmission Mechanical Apply Components
		17041.50W	Prerequisite	AF33-5, VT25, 5AT & D4AT Overview
		17041.51D	Embedded	Automatic Transmission Diagnosis
		17041.51H	Embedded	Automatic Transmission Diagnostics
		17041.51W	Prerequisite	Automatic Transmission Diagnosis
		17041.54W	Prerequisite	Automatic Transmission Hydraulic & Electrical Systems
		17041.55V	Prerequisite	6T70/75 Automatic Transaxle Unit Repair
		17041.60V	Prerequisite	6L80E Automatic Transmission Functions & Features
		17041.65H	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
		17440.13D-R2	Embedded	Transmissions New & Updates 6T70/6T75, 6L50/6L80/6L90
		NATEF A2	Embedded	ALL NATEF A2 Competencies
A3	Manual Drivetrain & Axles			
		13042.11D	Embedded	Noise, Vibration & Harshness
		13042.11H	Embedded	Noise, Vibration & Harshness
		13042.11W-R2	Prerequisite	Noise, Vibration & Harshness
		14041.15D1	Embedded	Axles & Propshaft
		14041.15D2	Embedded	Axles & Propshaft
		14041.15H	Embedded	Rear Axles & Propeller Shaft
		14041.15W	Prerequisite	Axles & Propshaft
		14043.15W	Prerequisite	AWD/FWD Systems
		17043.31W	Prerequisite	Manual Gearbox & Clutch
		17043.35H	Optional	Manual Gearbox Service
		NATEF A3	Embedded	ALL NATEF A3 Competencies
A4	Steering & Suspension			
		13041.11W-R2	Prerequisite	GM Steering Systems and Diagnostics
		13044.11H	Optional	GM Chassis Control Systems
		13044.11S-R2	Prerequisite	GM Chassis Control Systems
		13044.11W-R2	Prerequisite	GM Chassis Control Systems
		NATEF A4	Embedded	ALL NATEF A4 Competencies
A5	Brakes			
		15045.11D1	Embedded	GM Braking Systems
		15045.11D2	Embedded	GM Braking Systems
		15045.11H	Embedded	GM Braking Systems

		15045.11S-R3	Prerequisite	GM Braking Systems
		15045.11W1-R2	Prerequisite	GM Braking Systems 1
		15045.11W2-R2	Prerequisite	GM Braking Systems 2
		NATEF A5	Embedded	ALL NATEF A5 Competencies
A6	Electrical Systems			
		16041.09W	Prerequisite	Battery, Charging, & Starting Systems
		16048.26H	Optional	Global Diagnostic Systems / Multiple Diagnostic Interface
		18043.07H	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
		19047.08W	Prerequisite	Security Systems
		19047.13S	Prerequisite	Entertainment Systems
		19047.13W1-R2	Prerequisite	Entertainment Systems 1
		19047.13W2	Prerequisite	Entertainment Systems 2
		19047.13W3-R2	Prerequisite	Entertainment Systems 3
		19047.13H	Optional	Entertainment Systems
		22048.35W-R2	Prerequisite	GM Supplemental Restraint Systems
		22048.35H	Embedded	GM Supplemental Restraint Systems
		NATEF A6	Embedded	ALL NATEF A6 Competencies
A7	Heating & Air Conditioning			
		11044.04D1-R2	Embedded	HVAC Systems and Operation Session 1
		11044.04D2-R2	Embedded	HVAC Systems and Operation Session 2
		11044.04D3	Embedded	HVAC Systems and Operation Session 3
		11044.04D4	Embedded	HVAC Systems and Operation Session 4
		11044.04H	Embedded	HVAC System & Operations
		11044.04W1	Prerequisite	HVAC Systems and Operations Stage 1
		11044.04W2	Prerequisite	HVAC Systems and Operations Stage 2
		NATEF A7	Embedded	ALL NATEF A7 Competencies
A8	Engine Performance			
		16044.16D1	Embedded	GM Powertrain Performance 1
		16044.16D2	Embedded	GM Powertrain Performance 2
		16044.16D3	Embedded	GM Powertrain Performance 3
		16044.16H	Embedded	GM Powertrain Performance
		16044.16W1	Prerequisite	GM Powertrain Performance 1
		16044.16W2	Prerequisite	GM Powertrain Performance 2
		16044.16W3	Prerequisite	GM Powertrain Performance 3
		16044.16W4	Prerequisite	GM Powertrain Performance 4
		16044.16W5	Prerequisite	GM Powertrain Performance 5
		16044.20D	Embedded	Spark Ignited Direct Injection (SIDI) Fuel Injection System
		16050.11D1	Embedded	Camshaft Actuator System & AFM Session 1
		16050.11D2	Embedded	Camshaft Actuator System & AFM Session 2

		16050.11D3	Embedded	Camshaft Actuator System & AFM Session 3
		NATEF A8	Embedded	ALL NATEF A8 Competencies
ALL	Fundamentals			
		10041.10W-R2	Prerequisite	SI Overview
		10207.13D	Prerequisite	2006 SKH-TCU Service Programming Tips
		16048.16W-R2	Prerequisite	Tech 2 Familiarization
		16048.25W-R2	Prerequisite	Multiple Diagnostic Interface (MDI) Familiarization
		16048.26W	Prerequisite	Global Diagnostic System
		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	Prerequisite	GM Global Electrical Systems
		18070.01W-R2	Prerequisite	Hybrid Introduction and Safety
		18440.01W	Prerequisite	High Voltage System Safety (Two-mode Hybrid)
		18440.05W-R2	Prerequisite	Two-Mode Hybrid Introduction and Safety
ALL	Emerging Issues	10210.01D	Prerequisite	2010 SKH Seminar January Emerging Issues
		10210.02 D	Prerequisite	2010 SKH Seminar February Emerging Issues
		10210.03D	Prerequisite	2010 SKH Seminar March Emerging Issues
		10210.04D	Prerequisite	2010 SKH Seminar April Emerging Issues
		10210.05D	Prerequisite	2010 SKH Seminar May Emerging Issues
		10210.06D	Prerequisite	2010 SKH Seminar June Emerging Issues
		10210.07D	Prerequisite	2010 SKH Seminar July Emerging Issues
		10210.08D	Prerequisite	2010 SKH Seminar August Emerging Issues
		10210.09D	Prerequisite	2010 SKH Seminar September Emerging Issues
		10210.10D	Prerequisite	2010 SKH Seminar October Emerging Issues
		10210.11D	Prerequisite	2010 SKH Seminar November Emerging Issues
		10210.12D	Prerequisite	2010 SKH Seminar December Emerging Issues
		10211.01D	Prerequisite	2011 SKH Seminar January Emerging Issues
		10211.02D	Prerequisite	2011 SKH Seminar February Emerging Issues
		10211.03D	Prerequisite	2011 SKH Seminar March Emerging Issues
		10211.04D	Prerequisite	2011 SKH Seminar April Emerging Issues
		10211.05D	Prerequisite	2011 SKH Seminar May Emerging Issues
		10211.06D	Prerequisite	2011 SKH Seminar June Emerging Issues
		10211.07D	Prerequisite	2011 SKH Seminar July Emerging Issues
		10211.08D	Prerequisite	2011 SKH Seminar August Emerging Issues
		10211.09D	Prerequisite	2011SKH Seminar September Emerging Issues
		10211.10D	Prerequisite	2011 SKH Seminar October Emerging Issues
		10211.11D	Prerequisite	2011 SKH Seminar November Emerging Issues
		10211.12D	Prerequisite	2011 SKH Seminar December Emerging Issues
	Advanced Technology Vehicles			
		18070.40W-R2	Optional	Hybrid Vehicles: Theory, Oper. & Ser.
		18078.00D1	Optional	Hybrid Diagnosis & Repair – Session 1
		18078.00D2	Optional	Hybrid Diagnosis & Repair – Session 2
		18441.01W-R2	Optional	Two-mode Hybrid 300V Battery System Theory and Operation
		18442.01W-R2	Optional	2ML70 Transmission Theory and Operation
		18443.01W-R2	Optional	Two-mode Hybrid Systems Theory and Operation
		18444.01W	Optional	Two-mode Hybrid 300V Battery System Service Theory + Op
		18445.01D1	Optional	Two-mode Hybrid Diagnosis and Repair – Session 1
		18445.01D2	Optional	Two-mode Hybrid Diagnosis and Repair – Session 2
		18446.01H	Optional	Two-mode Hybrid Safety and Battery System Service

		18447.01H	Optional	Two-mode Hybrid Transmission and Supporting Systems
	Diesel Engine Performance	16340.45D1	Optional	Duramax 6600 Oper, Srv.& Diag.
		16340.45D2	Optional	Duramax 6600 Oper, Srv.& Diag.
		16340.45H	Optional	Duramax 6600 Oper, Srv.& Diag.
		16340.45W1	Optional	Duramax 6600 Oper, Srv.& Diag. 1
		16340.45W2	Optional	Duramax 6600 Oper, Srv, & Diag. 2
		16440.15D1	Optional	Engines New & Updates for RPOs LGH & LML
		16440.15D2	Optional	Engines New & Updates for RPOs LGH & LML

GENERAL MOTORS DEALER TRAINING AGREEMENT

_____ agrees to participate in the General Motors
(Name of Dealer)
Automotive Service Educational Program (ASEP) by providing the Technical Field Experience

Work site for _____ who is/ will be an
(Name of Student)

ASEP student. We _____
(Name of Dealer)

agree to provide the Technical Field Experience for the ASEP student under the following conditions:

1. Agree to select and hire an ASEP student who meets the qualifications of the ASEP program. The participating dealership is to make the final selection of a student.
2. Assign, during the times the student is enrolled in the technical field experience, one person to be the in-dealership contact who will meet at least twice a quarter with an ASEP instructor to discuss the student's progress.
3. Provide related work experience supplementing the student trainee's most recent college instruction in accordance with the program schedule whenever it is feasible.
4. Encourage the student's development, both on the job and at the college.
5. Agree to treat and evaluate the student as an ASEP trainee and not as fully productive (flat rate) employee.
6. Agree to dismiss students from dealership employment who fail or drop out of the ASEP program in order to maintain the integrity of the program.
7. Provide the student with uniforms to wear at the dealership and the college.
8. Pay the student during periods of dealership Technical Field Experience and provide fringe benefits consistent with other employees. Pay should meet federal pay standards, but it is understood that pay is negotiated between the dealership and the student. The college or General Motors are not involved in the pay agreements between the dealership and student.

This agreement is in effect for a period of (2) years. If for economic or other reasons the dealership feels it cannot continue the agreement, the dealership will notify the ASEP Instructor/Coordinator immediately. If this occurs, a meeting will be held to discuss any or all concerns in order to maintain the integrity of the ASEP program.

(Date)

(Service Manager)

(Dealership)