

GENERAL MOTORS
ASEP

AUTOMOTIVE SERVICE EDUCATION PROGRAM



GMC



INFORMATION GUIDE



***INSTITUTE OF
TECHNOLOGY***

GENERAL MOTORS
ASEP

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OKLAHOMA STATE UNIVERSITY INSTITUTE OF
TECHNOLOGY
AUTOMOTIVE SERVICE EDUCATIONAL PROGRAM
(GM ASEP)

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GM ASEP

General Motors Automotive Service Educational Program

WHAT IS GM ASEP?

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 Oklahoma State University Institute of Technology (OSUIT) administers the GM ASEP activities, working in close relationship with the Regional General Motors Training Center located in Dallas, Texas. GM ASEP is exclusively by and for General Motors and its Dealers.

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, six-semester program incorporates approximately one-half of the time designated for technical academic training at Oklahoma State University Institute of Technology. The remaining time is allocated for on-the-job experience at the sponsoring GM dealerships. 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 students' education at OSUIT and dealership work experiences be closely aligned for maximum student learning and 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 Drive Train & Axles, Suspension and Steering, Automatic Transmission/Transaxles, Brakes, Electrical Systems, and Engine Performance.

In addition to the technical curriculum, courses will be offered in areas such as Math, Composition/Technical Writing, Psychology, U.S. History, Government, Business, and Ethics 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 a 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 OSUIT and GM ASEP admission and academic requirements.
- Sponsored by a General Motors Dealer.
- 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.



STUDENT ENROLLMENT PROCEDURES

The following list must be completed before you can be enrolled into the GM ASEP Program.

1. Complete OSUIT Application for Admission and submit to the Admissions Office along with ACT scores and all previous transcripts.
2. Complete the GM ASEP Application for Admission and submit to the GM ASEP faculty.
3. Complete the student assessment instrument known as **Accuplacer**. The Accuplacer assessment also may be available through other colleges and Technology Centers for your convenience. *(A score of 19 or higher on the ACT test in the areas of Reading, English, and Math will allow you to omit this step in the process.)*
4. Submit a current official driving record to the GM ASEP faculty. *(Available through any State Tag Agency for a fee of approximately \$25)*
5. Interview with the GM ASEP faculty and discuss the possible dealer sponsors in the geographical locations suitable for your needs. Allow the faculty to contact those dealers about possibly sponsoring you during the program.
6. Acquire an approved GM Dealer sponsor.
7. Submit a **General Motors GM ASEP Dealer Sponsorship Application** to the GM ASEP faculty.
8. After completion of the above items, contact the GM ASEP faculty to complete enrollment in the GM ASEP program.



"Lowest Student Debt in the West"

A combination of affordable tuition, industry sponsorships, and paid internship opportunities has placed OSU Institute of Technology at the top of the 2017 list of the U.S. News "Best Colleges" for graduates with the least amount of debt in the West. In the latest rankings, OSUIT was also listed No. 5 in the Top Public Schools; No. 20 in Top Regional Colleges; and No. 7 in Best Ethnic Diversity rankings for the West Region.

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, on-campus room and board, etc., may be available through various financial assistance programs. Students needing financial assistance are encouraged to complete the applications for financial aid as early as possible. Following application submittal, allow a 6-10 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 at (800) 722-4471 ext. 4684.

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.



Financial Aid Web Sites

Financial Aid Searches:

Fastweb Financial Aid Search – www.fastweb.com

College Board Scholarship Search –

http://apps.collegeboard.com/cbsearch_ss/welcome.jsp

Grants and Scholarships:

FAFSA Express – www.FAFSA.ed.gov

Missouri Higher Education Loan Association (MOHELA) – www.mohela.com

Oklahoma Guaranteed Student Loan Program (OGSLP) – www.ogslp.org

Oklahoma State Regents for Higher Education – www.okhighered.org

Oklahoma Tuition Aid Grant (OYAG) – www.otag.org

www.collegefunds.net

<http://www.wiredscholar.com/>

www.freschinfo.com

<http://scholarships.com/>

www.mach25.com

www.nerdwallet.com

General Information:

Direct Student Loan Coalition – <http://directstudentloancoalition.org>

National Association of Student Financial Aid Administrators –

www.nasfaa.org

National Council of Higher Education Loan Programs – www.nchelp.org

The Financial Aid Information Page – www.finaid.org

U.S. Department of Education – www.ed.gov

OSU INSTITUTE OF TECHNOLOGY
GM ASEP Program
A.A.S. DEGREE...89 CREDIT HOURS

		Credit Hours
SEMESTER I		
AUMG 1062	Career & College Cornerstone - Intro to GM	2
AUMG 1122	GM Automotive Engines I	2
AUMG 1132	GM Automotive Engines II	2
AUMG 1162	GM Specialized Electrical Training I	2
AUMG 1172	GM Specialized Electrical Training II	2
AUMG 1292	GM Suspension & Steering I	2
AUMG 1322	GM Suspension & Steering II	2
CS 1013	Computer Literacy & Applications	<u>3</u>
		17
SEMESTER II		
AUMG 1214	Internship I	4
AUMG 1272	GM Manual Drivetrain I	2
AUMG 1142	GM Automotive Brake Systems I	2
AUMG 1302	GM Automotive Electrical Systems I	2
ENGL 1113	Freshman Composition I	3
MATH 2003	Business Mathematics	<u>3</u>
		16
SEMESTER III		
AUMG 1314	Internship II	4
AUMG 1342	GM Automotive Electrical Systems II	2
AUMG 1312	GM Manual Drivetrain II	2
AUMG 1152	GM Automotive Brake Systems II	2
SPCH 1113	Introductions to Speech Communications	3
POLS 1113	U.S. Government	<u>3</u>
		16
SEMESTER IV		
AUMG 2812	Internship III	12
SEMESTER V		
AUMG 2532	GM Automotive Heating & A/C I	2
AUMG 2582	GM Automotive Engine Performance	2
AUMG 2522	GM Automatic Transmission/Transaxles I	2
AUMG 2544	Internship IV	4
BADM 1113	Introduction to Business	3
PSYC 1113	Introductory Psychology	<u>3</u>
		16
SEMESTER VI		
AUMG 2672	GM Automotive Heating & A/C II	2
AUMG 2682	GM Capstone	2
AUMG 2632	GM Automatic Transmission/Transaxles II	2
HIST 1493	U.S. History Since 1865	3
PHIL 1213	Ethics	<u>3</u>
		12

*Courses are subject to change

OSUIT GM ASEP Tool List

¼" Drive ratchet	3/16" pin punch
¼" Deep socket set / 4 – 15mm (6pt)	3/8" starter punch
¼" Shallow socket set / 4 – 15mm (6pt)	7/16" starter punch
¼" Drive extension / 2" & 4"	3/8" flat chisel
¼" Drive universal joint	1/2" flat chisel
3/8" Drive ratchet	5/8" flat chisel
3/8" Drive breaker bar	Gasket scraper
3/8" Drive universal joint	Magnetic pocket pick-up tool
3/8" Drive extensions / 3, 4, 8, & 11"	2" x 3" hinged mirror
3/8" Drive 5/8" spark plug socket	Brake shoe adjusting tool
3/8" Drive shallow socket set / 8 – 19mm (6pt)	Brake shoe hold-down spring removal tool
3/8" Drive deep socket set / 8 – 19mm (6pt)	Brake spring pliers
3/8" Drive Torx driver set / T15 – T55	Feeler/gap gauge set
3/8" Drive Hex socket driver set / 4 – 14mm	Tire core & stem tool
½" Drive ratchet	10 – 50 psi tire gauge
½" Drive breaker bar / 18"	Angled air chuck
½" Drive to 3/8" impact socket adapter	Blow gun
½" Drive extensions / 5" & 10"	Utility knife
½" Drive shallow impact socket set / 10 – 24mm	Hacksaw
Combination wrench set / 6 – 24mm (12pt)	Oil filter wrench / 2 7/8" to 3 ¼", 3 ½" to 3 7/8"
Flare nut wrench set / 9 – 21mm	Tape measure / 10 or 12'
Screwdriver set /	Fender cover
Flat tip (1/4" x 4", 3/16" x 6", 5/16" x 10", & 3/8" x 13")	Safety glasses
Phillips (#1 x 6", #2 x 3", & #2 x 8")	
8" prybar	Optional tools (Recommended)
18" prybar	¼" Drive shallow socket set (6pt) / 3/16" to 9/16"
24oz ball peen hammer	3/8" Drive shallow socket set (6pt) / 3/8" to 7/8"
24oz dead blow hammer	3/8" Drive deep socket set (6pt) / 3/8" to 7/8"
12" adjustable pliers	Combination wrench set (12pt) / 3/8" to 1"
7" regular pliers	Flare nut wrench set / 3/8" to 7/8"
7" needle nose pliers	3/8" Drive 13/16" spark plug socket
7" diagonal cutters	Ratcheting screwdriver set
3/16" center punch	L-shaped hex wrench set
3/32" pin punch	
5/32" pin punch	

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

It is recommended that you check with the instructor before you purchase items such as a DVOM, test light, or terminal test kit because these course specific items will be available through the campus bookstore.

2017 GM ASEP Course Master

NATEF Category		STC Course #	Course Title
A1	Engine Repair		
	Prerequisite Student	***	All WBT's assigned to this training path - see latest STS
	Embedded	16043.52D-R2	Engine Mechanical Diagnosis & Measurement
	Embedded	16043.52H-R2	Engine Mechanical Diagnosis & Measurement
	Embedded	16440.20D	Engines: New and Updates
A2	Automatic Transmissions/Transaxles		
	Prerequisite Student	***	All WBT's assigned to this training path - see latest STS
	Embedded	17041.56D1	Automatic Transmission Operation, Diagnosis and Service 1
	Embedded	17041.56D2	Automatic Transmission Operation, Diagnosis and Service 2
	Embedded	17041.56H	Automatic Transmission Operation, Diagnosis and Service
	Embedded	17440.15D	Transmissions; New and Updates for 8L90
A3	Manual Drivetrain & Axles		
	Prerequisite Student	***	All WBT's assigned to this training path - see latest STS
	Embedded	13042.14D1	Noise, Vibration & Harshness 1
	Embedded	13042.14D2	Noise, Vibration & Harshness 2
	Embedded	13042.14H	Noise, Vibration & Harshness
	Embedded	13042.13V	PicoScope NVH Diagnostic Overview
	Embedded	14041.18H	Propshaft and Rear Axles Operation, Diagnosis and Service
	Embedded	14043.17D	Passenger Car AWD/FWD Operation, Diagnosis and Service
	Embedded	14043.25D	Truck AWD/4WD Operation, Diagnosis and Service
	Embedded	14043.25H	Truck AWD/4WD Operation and Diagnosis.
A4	Steering & Suspension		
	Prerequisite Student	***	All WBT's assigned to this training path - see latest STS
	Embedded	13042.13V	PicoScope NVH Diagnostic Overview
A5	Brakes		
	Prerequisite Student	***	All WBT's assigned to this training path - see latest STS
	Embedded	15045.18D	GM Braking Systems
	Embedded	15045.18H	GM Braking Systems
A6	Electrical Systems		
	Prerequisite Student	***	All WBT's assigned to this training path - see latest STS
	Embedded	16048.30HR2	Global Diagnostic Systems (GDS) 2
	Embedded	18044.20D1-R2	GM Global Electrical Systems Session 1
	Embedded	18044.20D2-R2	GM Global Electrical Systems Session 2
	Embedded	18044.22V	Diagnostic Strategy for Data Communication
	Embedded	18043.07H-R2	Elec/Elec Terminal and Connectors
	Embedded	18044.20H	GM Global Electrical Systems

A7	Heating & Air Conditioning		
	Prerequisite Student	***	All WBT's assigned to this training path - see latest STS
	Embedded	11044.05D – R2	HVAC Systems and Operation
	Embedded	11044.05H	HVAC Systems and Operation
	Embedded	11045.07V	R1234yf A/C System Service Equipment
A8	Engine Performance		
	Prerequisite Student	***	All WBT's assigned to this training path - see latest STS
	Embedded	16044.21D1	Engine Performance
	Embedded	16044.21D2	Engine Performance
	Embedded	16044.21D3	Engine Performance
	Embedded	16044.21H	Engine Performance
	Embedded	16044.20D	Spark Ignited Direct Injection (SIDI) Fuel Injection System
	Embedded	16050.12D1	Camshaft Actuator System & AFM Session 1
	Embedded	16050.12D2	Camshaft Actuator System & AFM Session 2
ALL	Emerging Issues		
	Prerequisite Student	***	All EI's for latest STS
ATV	Advanced Technology Vehicles		
	OPTIONAL	***	All WBT's assigned to this training path - see latest STS
	Embedded	18078.00D1	Hybrid Diagnosis & Repair – Session 1
	Embedded	18078.00D2	Hybrid Diagnosis & Repair – Session 2
	Embedded	18445.01D1	Two-mode Hybrid Diagnosis and Repair
	Embedded	18445.01D2	Two-mode Hybrid Diagnosis and Repair
<p>* Students are required to take all current WBT in STS training (except Diesel and Advanced Technology courses) path PLUS 100% Fundamentals area PLUS 100% Emerging Issues STS for the Graduation Year. All VOD, VCT and VCTOD listed as Prerequisite Student are also required to be completed. * NOTE: This list may be updated each calendar year, the Graduation Year IAGMASEP Standards Document needs to be referenced to ensure the most accurate list which reflects the current STS.</p>			
<p>** Some courses appear in multiple training paths, but were only included in the "primary" path so that there was not duplication in the Student Progress Chart.</p>			

Please note: An update is in process in regard to all courses listed above. The courses listed are 2016 courses.

GM ASEP & OSUIT



STUDENT APPLICATION

Name

Last First Middle Today's Date

Address City State Zip Phone # (including area code)

Email Address _____ Date of Birth _____
Month/Day/Year

High School Name _____ Year Graduated _____

Have you taken the ACT test? YES NO

Previous Automotive Training:

School Instructor Year(s)

Additional Education:

College/University

School Name City/State Years Attended

Credit Hours Earned? _____ Degree _____

Previous work experience:

Place of Employment Date

Release of Information:

Understanding my privacy rights under the Family Educational Rights and Privacy Act (FERPA), I hereby consent to and grant OSU Institute of Technology permission to share my complete educational records with General Motors Company and sponsoring or potential sponsoring General Motors Dealerships. The educational records may include, but are not limited to, attendance, grades, and assessment of performance tasks.

Signed

GM ASEP Student Candidates return this completed form to:

General Motors ASEP Program
OSUIT
Department of Automotive Technology
1801 East 4th Street
Okmulgee, OK 74447
Fax (918) 293-4635



OSUIT & GM ASEP
General Motors ASEP Dealer Sponsorship Application



Please print or type all information

General Motors Dealers and Service Managers:

I am interested in becoming a participating dealership in GM ASEP offered at OSUIT, and understand the responsibilities of a sponsoring dealership as outlined in the GM ASEP Information Guide.

Dealership Name	Contact Person
Address	Title
City State Zip	Telephone Number
	Fax Number

Service Manager:

Please check the student's driving record to verify he/she meets your insurance requirements.

Also, be aware this student will need their own personal technician ID and password through GM GlobalConnect for SI access and GM Training before the first day of class, September 6, 2017.

I recommend this applicant for the GM ASEP Program and agree to his/her sponsorship.

Name of Student Applicant
Student Address
City State Zip
Telephone Number
Driver License #

Note: Please be sure to photocopy this form for your files before returning to OSUIT.

Mail or fax application to: General Motors ASEP Program
Oklahoma State University Institute of Technology
Automotive Technology Department
1801 East 4th Street
Okmulgee, OK 74447
Phone: (800) 722-4471 ext. 5106
Fax: (918) 293-4635



Acknowledgement of Program Requirements:

I acknowledge that I am required to have an approved industry sponsor to complete my program of study. I also understand I must possess a valid driver's license and will need to maintain an employable driving record.

Printed Name

Signed

Fall 2017