ACCELERATE YOUR FUTURE
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Why Choose GM ASEP?

The General Motors Automotive Service Educational Program or GM ASEP is a structured two-year educational program that provides students with classroom instruction as well as practical hands on learning.

The GM ASEP program at Northern Virginia Community College is the best program today with our industry recognized co-op, certifications, and cost effectiveness. The ASEP Program is held around the world and at over 50 Community Colleges in the United States. There are multiple dealerships and independent A/C Delco shops across our region looking for the brightest technicians that will lead them into the future. They come to us to find those future technicians and are ready to hire, often before the semester even gets started.

Why do employers prefer NOVA?

Because we have earned our reputation over the past 30 years as offering the highest quality students who will succeed. Our students earn up to 80% of their GM certifications—what usually takes technicians 10 years, and costs dealerships thousands of dollars to earn on their own.

What does this mean?

Essentially, more money. You will not only have high quality training at school, but work experience AND manufacturer certification as well, which will earn you higher pay. That is our goal, employers get a great technician and you earn a great reputation.
Co-operative Learning

There is no replacement for hands-on learning in a working shop, and only the GM ASEP program gives you that experience. In our program, you go to school for 8 weeks of the semester and work at your sponsoring Dealer, Independent AC Delco or Fleet service shop as an apprentice technician the other 8 weeks. We assist you in the employment process by helping you with your resume and interview skills before sending you to one of our currently hiring partner shops.

That’s right, whether you want to work at a dealer or not, we give you lots of options to find the place that’s the right fit for you.

This gives you the best advantage because, you will have paid work experience, tenure at your job, and will be the best candidate when a position as line technician opens.
Courses

Our instructors are GM and ASE certified who give personalized instruction to enhance and challenge your skill set.

We utilize the industry recognized NATEF curriculum along with GM specific training over the web, and the latest equipment currently used in the field. This prepares you for the other 8 weeks of the program, when you work at your sponsoring shop, gaining real world, practical experience.

As an added bonus, students take all classes, automotive or not, together as a cohort so you won’t be the only one passionate about cars in your general education classes. This also allows us to work closely with the general education instructors to ensure they understand your top priority is becoming a technician and how they can cater their classes to you.

Here’s the list and description of the courses you’ll be taking:

FIRST SEMESTER (FALL)

Engines 1  AUT 111  4 Credits
Provides the student with an orientation to the field of automotive repair. The course will also introduce the student to the operation and repair of the internal combustion engine and supporting systems.

Electricity 1  AUT 241  4 Credits
Emphasizes a basic understanding of fundamental electrical theories, terminology definitions, equipment, diagnostics, and repair. The student will develop an understanding of starting and charging systems, lighting systems and wiring diagrams.

Brakes  AUT 267  4 Credits
Courses

FIRST SEMESTER (FALL) CONTINUED

(Replace with AUT 130) **Survey of Applied Physics**  PHY 130  
**3 Credits**

Surveys topics such as heat, electricity, and light with emphasis on practical applications.

**Success Skills**  SDV 100  **1 Credit**

Assists students to make a successful transition to college. Provides students with the academic tools for success and teaches the skills of self-management and self-responsibility that relate to being a successful student. Helps students learn how to make responsible choices about their academic, personal, and career goals. Provides information about the College and community resources, the College’s policies and procedures, and the processes of moving effectively through the educational system.

**Co-op**  AUT 297  **2 Credits**

Second eight weeks
SECOND SEMESTER (SPRING)

**Engines 2**  
AUT 112  
4 Credits

Continuation of Engines 1, presents analysis of power, cylinder condition, valves, and bearings in the automotive engine to establish the present condition, repairs, or adjustments.

**Electricity 2**  
AUT 242  
4 Credits

Emphasis on automotive accessory systems. Detailed trouble shooting diagnosis and repair procedures. This course will also cover electronic ignition systems, electronic engine controls, and introduction to oscilloscope use.

*(Replace with 130) Humanities Elective*  
3 Credits

*Prefer*

**History II**  
HIS 102  
3 Credits

Introduces the theory and practice of effective human relations. Increases understanding of self and others and interpersonal skills needed to be a competent and cooperative communicator.

*Replace with Steering and Suspension*

**Intro to Communications**  
CST 110  
3 Credits

Examines the elements affecting speech communication at the individual, small group, and public communication levels with emphasis on practice of communication at each level.

**Co-op**  
AUT 297  
2 Credits

Second eight weeks
Courses

THIRD SEMESTER (SUMMER)

**Climate Control**  AUT 236  4 Credits
Introduces principles of refrigeration, air conditioning controls, and adjustment and general servicing of automotive air conditioning systems.

**Lifetime fitness**  PED 116  2 Credits
Introduces the theory and practice of effective human relations. Increases understanding of self and others and interpersonal skills needed to be a competent and cooperative communicator.

**Co-op**  AUT 297  2 Credits
Second six weeks.

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Courses

FOURTH SEMESTER (FALL)

Co-op AUT 297 2 Credits

First eight weeks

Fuel Systems AUT 121 4 Credits

Emphasizes diagnostic test procedures and equipment for fuel system diagnosis and repair. Other topics include general engine diagnosis, exhaust systems, basic emission systems, and vapor management.

Power Trains 1 AUT 141 4 Credits

Emphasizes principles of operation, maintenance, diagnosis, and repair of manual transmissions, transaxles, clutches, drive shafts, CV axles, and differential systems.

Replace with Communications Steering & Suspension AUT 266 4 Credits

Introduces use of alignment equipment in diagnosing, adjusting, and repairing front and rear suspensions. Topics include maintenance, diagnosis, and repair of power and standard steering systems.

Composition ENG 111 3 Credits

Introduces students to critical thinking and the fundamentals of academic writing. Through the writing process, students refine topics; develop and support ideas; investigate, evaluate, and incorporate appropriate resources; edit for effective style and usage; and determine appropriate approaches for a variety of contexts, audiences, and purposes. Writing activities will include exposition and argumentation with at least one researched essay.

OR

Technical Writing ENG 131 3 Credits

Offers a review of organizational skills including paragraph writing and basic forms of technical communications, various forms of business correspondence, and basic procedures for research writing. Includes instruction and practice in oral communication skills.
FIFTH SEMESTER (SPRING)

Co-op AUT 297 2 Credits

First eight weeks

(Replace with His 102) Fuel Systems 2 AUT 122 4 Credits

Continuation of fuel systems 1, emphasizing detailed analysis, diagnostics and repair. Includes identifying sources of technical data, diesel fuel injection, electronic fuel injection, engine management systems, and enhanced emission systems.

Power Trains 2 AUT 142 4 Credits

Emphasizes automatic transmission theory, operation, maintenance, diagnosis, and repair. Topics include torque converters, planetary gear sets, and hydraulic principles.

Electronics AUT 245 4 Credits

Introduces field of electronics as it applies to the modern automobile. Emphasizes basic circuit operation, diagnosis and repair of digital indicator and warning systems.

Social Science Elective 3 Credits

Prefer

Human Relations PSY 120 3 Credits

Introduces the theory and practice of effective human relations. Increases understanding of self and others and interpersonal skills needed to be a competent and cooperative communicator.

GRADUATION
Getting Started!

Excited to start learning and working? Here’s how to get on the fastest track to your career:

**Application** - Visit [www.nvcc.edu/alexandria/automotive/asep.htm](http://www.nvcc.edu/alexandria/automotive/asep.htm) to download the free application and send it to Laura Garcia at lgarciamoreyra@nvcc.edu

Submit application

Apply to NOVA

Orientation—Bring your driving record, meet with the instructors and take the GM entrance test.

Take the English Placement test

Your in! Time to find a sponsor!
Finances

NOVA is the best school at the best price. You pay regular NOVA tuition, a few books, and with the rest of the money you save and earn at your job, you can buy tools at a 30% - 52% discount through Snap-On and Matco.

Cost Breakdown:

<table>
<thead>
<tr>
<th>Service</th>
<th>Cost</th>
</tr>
</thead>
<tbody>
<tr>
<td>2012 Tuition</td>
<td>$11,330* [78 Credits]</td>
</tr>
<tr>
<td>Books &amp; Parking</td>
<td>$1,500</td>
</tr>
<tr>
<td>Tools</td>
<td>$2,500**</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>$14,830</strong></td>
</tr>
</tbody>
</table>

Don’t forget about financial aid! It’s always a good idea to fill out your Free Application for Federal Student Aid (FAFSA). Apply at: www.fafsa.ed.gov

There are always a multitude of scholarships available every year, many of them can be viewed from the NOVA web site at www.nvcc.edu and we always encourage our students to apply.

*Tuition subject to change - based on current NOVA rates.

** Amount spent on tools vary, minimal restrictions apply.
Graduation

Congratulations! You have completed the world renowned GM ASEP program. Upon graduation you will receive 80% of your GM certifications as well as your Associate in Applied Science degree, and most likely you have passed your ASE’s. At this point you are either on your own as a technician or will be soon.

In the future you may use your Associate Degree to teach, or become more marketable when moving up the industry ladder.

A few of our students even choose to go on to the next level in education and transfer to Ferris State University for a Bachelors in Automotive Engineering, or to Penn State Technical College for a Bachelors in Automotive Business Management.

If this sounds like where you want to be, please contact us anytime to help you get started on your career.
ALEXANDRIA CAMPUS

Parking
A  Faculty/Staff
B  Student
H  Handicapped
M  Motorcycle
ME  Metered Lot
O  Official State Parking
V  Visitors
AP1  Dawes Street Parking

Building Identification
AA  Donald L. Bisdorf
AE  Engineering
AK  Kiln
AM  Maintenance
AS  Rachel M. Schlesinger Hall
AT  Tyler
AP2  Beauregard Street Garage

The Campus address is 3001 N. Beauregard St., Alexandria, VA 22311
We are located in the AE Engineering Building off of Dawes Avenue inside the campus. Please bring change for parking meters when visiting.
You may park on Dawes Avenue or in the ME metered lot.
General College Information

**College Website**– www.nvcc.edu

**Admission**– Anyone 18 years of age or older and has a High School Diploma or equivalent can apply to the college. Special considerations may be made for students under 18.

Apply online at http://apply.vccs.edu

**Testing Centers**– Testing centers are located on every campus and their hours vary, please check the schedule online or by phone. Please allow 2-3 hours before closing to take placement tests. You must bring your picture ID and NOVA EMPLID number that you receive upon admission into the college. College placement tests may be taken at any testing center. **The GM ASEP aptitude test can only be taken at the Alexandria campus.**

Testing Centers:

**Alexandria**
Bisdorf Building #332
703.845.6035

**Manassas**
Howsmon Hall #112
703.257.6645

**Woodbridge**
Seefelt Building #436
703.878.5787

**Annandale**
CA Building #115
703.323.3833

**Loudoun**
Reynolds Building #251
703.450.2508
General College Information

**Tuition**– In order to receive in-state tuition rates, students must fill out “Application for In-State Tuition” form and return to student services with the appropriate documentation. Tuition may be paid through your “My Nova” online account using credit or through the business office using cash, check, or money order. Payment plans are also available through the business office.

**Student Services**– Assists students with admissions, counseling, disability services, transcripts, transfers, and more. Also, if you have a unique situation, student services is there to help.

Call 703.933.5073 or stop by Monday-Thursday 9:00-7:00, or Friday 9:00-4:30 to request an appointment.

They are located in Room AA 194 at the Alexandria Campus.

**Parking Services**– Furnishes parking permits and enforces parking restrictions. Parking permits are $105.00 each semester and are subject to change. Metered lots are $0.25 per 7.5 minutes at the Alexandria campus.
Frequently Asked Questions

What makes a good ASEP candidate?

A good ASEP candidate is one who is employable. This means that he/she must have a good driving record, is 18 years of age or older, is able to gain acceptance into NOVA and most importantly, a motivated individual who is excited to learn!

How long is the program?

Our program from start to finish is 21 months. Only 38 weeks, or approximately 9 months will be spent in class.

What is a sponsoring dealership?

A sponsoring dealership is any Chevrolet, Buick, GMC, Cadillac, AC Delco or GM Fleet service center who agrees to:

- Employ a student in a rotating cooperative work-study experience
- Supplement the most recent classroom instruction with appropriate shop floor work
- Provide the student-employee with work uniforms consistent with other employees
- Appoints a person to coordinate the dealership-classroom experience

AND

Appoints a person to coordinate the dealership-classroom experience
Frequently Asked Questions

I don’t think I can pass the placement tests. Can I still become an ASEP student?

Yes, you can. You may need to take a few extra remedial courses to get up to college level, but as long as it does not interfere with your work schedule, we can work with you.

Does the GM ASEP program guarantee job placement?

We do our best to prepare and assist students in their job search and refer students to prospective employers, but employment is ultimately the responsibility of the student.

Do I need to provide my own tools?

While you are in class, you do not need to provide your own tools as we have all tools and equipment necessary. We do encourage you to start purchasing tools for your job because you will need a decent set of tools to begin working on your own once you graduate. The cost of tools will be offset by the income you earn at your job, and if necessary many banks and credit unions offer fixed rate signature loans that can help you purchase tools using the Snap-On and Matco tool discounts.

Is transportation provided?

Reliable transportation is a key element for being able to commute and arrive on time not only to school, but also to your job. Transportation is the responsibility of the student.
Contact Us

Jack Wynn
GM ASEP Coordinator
Science, Technology and Business Division Suite AA352
3001 N. Beauregard St.
Alexandria, VA 22311
703.845.6531
jwynn@nvcc.edu

Keith Brown
Lead Instructor
Science, Technology and Business Division Suite AA352
3001 N. Beauregard St.
Alexandria, VA 22311
703.845.4623
keibrown@nvcc.edu

Visit us on the web at:
http://www.nvcc.edu/alexandria/automotive/asep.htm
www.gmasep.org