

# Shoreline

COMMUNITY COLLEGE



## 2009-2010 Career Planning Guide General Motors Automotive Service Educational Program (ASEP)

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**Shoreline Community College**

16101 Greenwood Avenue North

Shoreline, Washington 98133

Length of Program: 170-175 Credits, 8 quarters

Completion Award: A.A.A.S. Degree

**Program Advisors:**

Scott Main 206 546-4784 Room 2158

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<http://www.shoreline.edu/auto>

**Approximate Quarterly Costs**

Check quarterly class schedule for Tuition Table

Parking Fee Per Quarter

\$15

Uniform Fee

\$50

Tools and Equipment (estimated total cost)

\$3000

Additional Instructional Fees

\$25-\$85

Book costs vary widely. Most full-time students will spend an average of \$200 per quarter on books.

**Enrollment:** Winter, Fall

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**PROGRAM DESCRIPTION**

Shoreline Community College offers an Associate degree in Applied Arts and Science for students who are interested in entering the automotive service industry. The General Motors Automotive Service Educational Program (ASEP) provides students with the fundamental skills to succeed in the workplace along with valuable hands-on experience. Students alternate quarters between classroom instruction and paid dealership training. As students progress through the curriculum, they learn about the major automobile components and systems, including brakes, suspension, emissions, transmissions, electrical systems, heating and air conditioning, power trains and engine management systems. Students develop skills in automotive diagnostics, tune-ups and repairs. Students will also develop an understanding of automotive service business principles as they apply to the service technician. In their internship placements, students work under the guidance of a master technician at a sponsoring General Motors dealership. These paid internships give students the opportunity to integrate their learning and further develop their skills in service technology.

**PROGRAM OUTCOMES**

Students who successfully complete this program should be able to:

1. Apply fundamentals of automotive service training, including the basics of automotive diagnostics and repair, pre-delivery inspection and warranty repair procedures.
2. Identify, inspect, disassemble and assemble components of automotive power plants.
3. Apply knowledge of the function, construction, operation, troubleshooting and servicing of disc, drum and ABS brake systems, steering, suspension and wheel alignment.
4. Use electronic engine analyzers and scanners to test and tune ignition, fuel injection and emission systems.
5. Apply understanding of electrical principles, semi-conductors, microprocessors and wiring diagrams to diagnose and repair malfunctions of automotive electrical systems.
6. Apply knowledge of the function, construction, operation, troubleshooting and service of front- and rear-wheel drive manual and automatic transmissions and transaxles.
7. Test, service and repair heating and air-conditioning systems.

**CAREER OPPORTUNITIES**

The placement rate for this program is 100%. Upon completion, graduates may be hired by their sponsoring dealership. The demand for dealer-trained technicians should remain strong over the next decade.

**POTENTIAL POSITIONS**

General Motors Service Technician. With additional experience many technicians can become a Parts or Service Manager; some may seek positions in sales, management, or open their own related business. Entry level salaries range from \$20,000 to \$24,000 depending on location and the individual's production abilities. For employment outlook, see the U.S. Dept. of Labor Occupational Outlook Handbook at <http://www.bls.gov/OCO/>.

# AUTOMOTIVE SERVICE TECHNOLOGY: GENERAL MOTORS

Shoreline Community College: A.A.A.S. Degree

## PROGRAM PREREQUISITES

Minimum COMPASS Test Scores for Pre-Algebra (35-54), Writing (79-100), Reading (85-100) or placement into ENGL& 101

Automotive Skills Test

Valid Driver's License

Proof of Insurability

Some dealers require drug testing

Instructor Interview

Courses marked with an \* are the General Education/Related Instruction requirements for this program.

## PROGRAM REQUIREMENTS

### FRESHMAN YEAR

<u>Fall Quarter</u>		<u>Cr.</u>	<u>Gr.</u>
AUTOT 160	Fund of Auto Serv.Traing	9	___
AUTOT 163	Brakes & Suspension	9	___
BUS 102*	Business Mathematics		
	<u>or</u>		
MATH 099*	Intermediate Algebra	5	___

<u>Winter Quarter</u>		<u>Cr.</u>	<u>Gr.</u>
AUTOT 291	Coop Dealer Exper I	20	___
PE 284*	First Aid and Safety	3	___

<u>Spring Quarter</u>		<u>Cr.</u>	<u>Gr.</u>
AUTOT 161	Engine Repair	9	___
AUTOT 164	Manu Gear Trains/Transax	9	___
ENGL& 101*	English Composition I		
	<u>or</u>		
BUSTC 215*	Prof Communications	5	___

<u>Summer Quarter</u>		<u>Cr.</u>	<u>Gr.</u>
AUTOT 292	Coop Dealer Exper II	20	___

COMMENTS: \_\_\_\_\_

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Every effort has been made to ensure the accuracy of the information in this publication. However, the information is subject to change without notice, and final career decisions are the responsibility of the reader.

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### SOPHOMORE YEAR

<u>Fall Quarter</u>		<u>Cr.</u>	<u>Gr.</u>
AUTOT 165	Engine Mgmt/Emission Sys	9	___
AUTOT 166	Electrical Systems	9	___
___	* Human Relations:		
	See Approved List	2-5	___

<u>Winter Quarter</u>		<u>Cr.</u>	<u>Gr.</u>
AUTOT 293	Coop Dealer Exper III	20	___

<u>Spring Quarter</u>		<u>Cr.</u>	<u>Gr.</u>
AUTOT 167	Auto Trans/Transaxles	9	___
AUTOT 168	Heating and Air Con	9	___
___	* Multicultural Education		
	See Approved List	3-5	___

<u>Summer Quarter</u>		<u>Cr.</u>	<u>Gr.</u>
AUTOT 294	Coop Dealer Exper IV	20	___

**Total Credits Required 170-175**

STUDENT NAME

STUDENT I.D.

### APPROVAL TO GRADUATE

ADVISOR APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

DIVISION DEAN APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_

CREDENTIALS APPROVAL \_\_\_\_\_ DATE \_\_\_\_\_