Automotive Technology General Motors

Associate in Science

DIVISION OF AUTOMOTIVE TECHNOLOGY

The General Motors Automotive Service Education Program (ASEP) is designed to provide the technical competence and professional level training of the incoming dealership technicians. The ASEP program involves academics as well as automotive lecture/ laboratory instruction focusing on General Motors (GM) products at the MassBay Automotive Technology Center. Students are also required to work at a GM dealership as part of the cooperative education phase of their training. The General Motors ASEP Program is a collaborative effort between MassBay Community College and General Motors. The College retains academic and administrative responsibility for the program and is certified by the ASE Education Foundation in all eight performance areas.

Upon completion, the Associate in Science Degree in Automotive Technology with a concentration in General Motors is awarded.

ADMISSION REQUIREMENTS

Minimum eligibility for Admission to this program includes:

- Completion of placement tests.
- Valid driver's license (May be subject to dealership review of driving record and drug testing).

PROGRAM FOOTNOTES

Quantitative skills are a MassBay graduation competency for associate degree programs. Prior to graduation, students must demonstrate this competency by completing a 100-level math course (not MAC); or placing into a 200-level mathematics course.

COURSE	COURSE TITLE	CREDITS
First Year	*Semester 1*	
AS 100	Automotive Fundamentals	5
AS 106	Automotive Brakes Systems	3
AS 113	Dealership Orientation	1
CT 100	Critical Thinking	3
CS 100	Computers & Technology	3
	credits:	15
First Year	*Semester 2*	
AS 108	Automotive Ignition & Fuel Systems	3
AS 105	Heating & Air Conditioning Theory	3
AS 102	Automotive Electrical Fundamentals	4
AS 110	Cooperative Education I	2
EN 101	English Composition I	3
	credits:	15
First Year	*Semester 3*	
AS 111	Cooperative Education II	3
AS 206	Advanced Engine Performance	5
AS 204	Automotive Suspension Systems	3
MA 105	Introduction to Statistics	
	or	
MA 106	Quantitative Reasoning	3
	credits:	14
Second Year	*Semester 4*	
AS 209	Cooperative Education III	3
AS 216	Automotive Engine Diagnosis & Repair	4
EN 102	English Composition II	3
CO 131	Oral Communications	3
	credits:	13
Second Year	*Semester 5*	
AS 213	Manual/Automatic Trans. & Drive Systems	3
AS 208	Advanced Automotive Electronics	3
PS 260	Organizational Psychology	3
AS 215	Introduction to Automatic Transmissions*	3
AS 210	Cooperative Education IV	3
	credits:	15
	Total Credits:	72

* This course is only offered during the Winter Intersession