


# Automotive Technology

## General Motors

### Associate in Science

 MassBay courses are offered days, evenings, weekends, and online. View the complete list of online courses at <https://mbccweb.massbay.edu/online/>

Check current course availability at [www.massbay.edu/courses](http://www.massbay.edu/courses)

#### 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 National Automotive Technicians Education Foundation (NATEF) 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

Competency in mathematics is a MassBay graduation requirement. Prior to graduation, students must demonstrate competency at 100-level math. This may be accomplished by an appropriate placement test score or completion of any 100-level mathematics course or higher, except mathematics courses with a MAC prefix.

COURSE	COURSE TITLE	CREDITS
<b>Semester 1</b>		
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
<b>credits:</b>		<b>15</b>
<b>Semester 2</b>		
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	Freshman English I	3
<b>credits:</b>		<b>15</b>
<b>Semester 3</b>		
AS 111	Cooperative Education II	3
AS 206	Advanced Engine Performance	5
AS 204	Automotive Suspension Systems	3
CO 131	Oral Communications	3
MA 105	Introduction to Statistics	
<b>or</b>		
MA 106	Quantitative Reasoning	3
<b>credits:</b>		<b>17</b>
<b>Semester 4</b>		
AS 209	Cooperative Education III	3
AS 216	Automotive Engine Diagnosis & Repair	4
EN 102	Freshman English II	3
PH 102	Philosophy: Ethics	3
<b>credits:</b>		<b>13</b>
AS 213	Manual/Automatic Trans. & Drive Systems	4
AS 208	Advanced Automotive Electronics	3
PS 260	Psychology in Business & Industry	3
AS 215	Introduction to Automatic Transmissions	2
AS 210	Cooperative Education IV	3
<b>credits:</b>		<b>15</b>
<b>Total Credits:</b>		<b>75</b>