


# Automotive Technology

## Chrysler

### Associate in Science

 MassBay courses are offered days, evenings, weekends, and online. View the complete list of online courses at [www.massbay.edu/uploadedFiles/online.pdf](http://www.massbay.edu/uploadedFiles/online.pdf). Check current course availability at [www.massbay.edu/courses](http://www.massbay.edu/courses)

#### DIVISION OF TRANSPORTATION & ENERGY

The MOPAR College Automotive program (MCAP) is designed to provide the technical competence and professional level of the incoming dealership technician. The MCAP program involves academic as well as automotive lecture/ laboratory instruction focusing on Chrysler products at the MassBay Auto Technology Center. Students are also required to work at a Chrysler dealership as part of the cooperative education phase of their training. The MCAP program is a collaborative effort between MassBay Community College and Chrysler. The College retains academic and administrative responsibility for MCAP and is certified by the National Automotive Technicians Education Foundation Inc. (NATEF) in all eight performance areas.

Upon completion, the Associate in Science Degree in automotive technology with a concentration in Chrysler is awarded.

#### ADMISSION REQUIREMENTS

Minimum eligibility for admission to this program includes:

- MassBay placement into College Writing EN 100 or completion of Intro to Language EN 090.
- MassBay placement into Intermediate Algebra MA 098 or completion of Introductory Algebra MA 095.
- Valid driver's license (May be subject to dealership review of driving record and drug testing).

#### PROGRAM FOOTNOTES

**Humanities Electives:** Art, Communications, Film, Foreign Language, Humanities, Literature, Music, Oral Communication, Philosophy, Photography, Oral Communication, Sign Language, Theater Arts

**Social Science Electives:** Anthropology, Geography, History, Economics, Government, Psychology, Sociology, Law and Society (LA 230)

COURSE	COURSE TITLE	CREDITS
<i>Semester 1</i>	<i>12 weeks academic study 12 weeks cooperative education</i>	
AY 100	Fundamentals of Auto Technology	5
AY 110	Automotive Electricity	4
CT 100	Critical Thinking	3
SF 131	Oral Communication	3
AY 115	Cooperative Education I	3
MAC 101	Technical Math	3
	<b>credits:</b>	<b>21</b>
<i>Semester 2</i>	<i>12 weeks academic study</i>	
AY 120	Automotive Electronics	3
AY 140	Automotive Brake Systems	3
AY 170	Electronic Fuel and Engine Controls	4
CS 100	Computers and Technology	3
EN 101	Freshman English I	3
	<b>credits:</b>	<b>16</b>
<i>Semester 3</i>	<i>8 weeks academic study 7 weeks cooperative education</i>	
AY 125	Cooperative Education II	3
AY 221	Heating, A/C & Climate Control Systems	3
AY 230	Engine Performance	5
PS 260	Psychology in Business and Industry	3
	Social Science Elective	3
	<b>credits:</b>	<b>17</b>
<i>Semester 4</i>	<i>12 weeks academic study 12 weeks cooperative education</i>	
AY 215	Cooperative Education III	3
AY 245	Engine Diagnosis and Repair	4
AY 253	Automatic Transmissions, Manual Transmission, and Drive Systems	6
AY 270	Steering & Suspension Systems	3
EN 102	Freshman English II	3
	Humanities Elective	3
	<b>credits:</b>	<b>22</b>
<i>Semester 5</i>	<i>12 weeks cooperative education</i>	
AY 225	Cooperative Education IV	3
	<b>credits:</b>	<b>3</b>
	<b>Total Credits:</b>	<b>79</b>