

PROGRAM CURRICULUM



# Automotive Technology Chrysler

## Associate in Science

### DIVISION OF TRANSPORTATION & ENERGY

The Chrysler Apprentice Program (CAP) is designed to provide the technical competence and professionalism needed to become a dealership technician. The CAP involves academic instruction as well as automotive lecture/laboratory instruction focusing on Chrysler products at the MassBay Automotive Technology Center. Students are also required to work at a Chrysler dealership as part of the cooperative education phase of their training. The CAP is a collaborative effort between MassBay Community College and Chrysler LLC. The College retains academic and administrative responsibility for the CAP, which is certified by the National Automotive Technicians Education Foundation (NATEF) in all eight performance areas.

Upon successful 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 (WR 100) or completion of Intro to Language (LN 090)
  - MassBay placement into Introductory Algebra (MA 095) or completion of Basic Math Studies (MA 090)
  - 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, Law and Society (LA 230), Psychology, Sociology

COURSE	COURSE TITLE	CREDITS
<i>Semester 1</i>		
<i>12 weeks academic study</i>		
<i>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</i>		
<i>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</i>		
<i>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>

