Automotive Technology Chrysler (FCA)

Associate in Science

DIVISION OF AUTOMOTIVE TECHNOLOGY

The MOPAR Career Automotive program (MOPAR CAP) is designed to provide the technical competence and professional level training of the incoming dealership technicians. The MOPAR CAP program involves academics as well as automotive lecture automotive lecture/ laboratory instruction focusing on Fiat Chrysler Automobiles LLC. (FCA) products at the MassBay Automotive Technology Center. Students are also required to work at a Jeep, Chrysler, Dodge, RAM, Fiat, Alfa Romeo dealership as part of the cooperative education phase of their training. The MOPAR CAP Program is a collaborative effort between MassBay Community College and FCA. 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 Chrysler 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 is 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*	
AY 100	Fundamentals of Auto Technology	5
AY 110	Automotive Electricity	4
AY 109	Dealership Orientation	1
CS 100	Computers and Technology	3
CT 100	Critical Thinking	3
	credits:	16
First Year	*Semester 2*	
AY 115	Cooperative Education I	2
AY 120	Automotive Electronics	3
AY 140	Automotive Brake Systems	3
AY 170	Electronic Fuel and Engine Controls	4
EN 101	English Composition I	3
	credits:	15
First Year	*Semester 3*	
AY 125	Cooperative Education II	3
AY 221	Heating, A/C & Climate Control Systems	3
AY 230	Engine Performance	5
MA 105	Introduction to Statistics	3
	or	
MA 106	Quantitative Reasoning	3
	credits:	14
Second Year	*Semester 4*	
AY 215	Cooperative Education III	3
AY 245	Engine Diagnosis and Repair	4
CO 131	Oral Communications	3
EN 102	English Composition II	3
	credits:	13
Second Year	*Semester 5*	
AY 212	Differential and Driveline Repair	2
AY 253	Automatic Transmissions, Manual Transmission, and Drive Systems	4
AY 270	Steering & Suspension Systems	3
AY 225	Cooperative Education IV	3
PS 260	Psychology in Business and Industry	3
	credits:	15
	Total Credits:	**73**