Automotive Technology BMW

Associate in Science

DIVISION OF AUTOMOTIVE TECHNOLOGY

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

Upon completion, the associate in science degree in Automotive Technology with a concentration in BMW is awarded.

ADMISSION REQUIREMENTS

Minimum eligibility for admission to this program includes:

- Placement into EN 098 Fundamentals of Composition II or completion of EN 090 Fundamentals of Composition I
- 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

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 (Fall)*	
AB 100	Automotive Fundamentals	5
AB 102	Automotive Electrical Fundamentals	4
CS 100	Computers and Technology	3
	credits:	12
First Year	*Semester 2 (Spring)*	
AB 103	Automotive Engine Diagnostic and Repairs	5
AB 105	Heating and Air Conditioning Theory	3
AB 106	Automotive Brake Systems	3
EN 101	English Composition I	3
	credits:	14
First Year	*Semester 3 (Summer)*	
AB 121	Cooperative Education I	3
MA 105 or MA 106	Introduction to Statistics Or Quantitative Reasoning	3
	credits:	6
Second Year	*Semester 4 (Fall)*	
AB 200	Advanced Engine Performance	5
AB 205	Automotive Transmissions, Manual Transmission, and Drive Systems	6
EN 102	English Composition II	3
CT 100	Critical Thinking	3
	credits:	17
Second Year	*Semester 5 (Spring)*	
PS 260	Organizational Psychology	3
AB 201	Electronics Fuel and Ignition Systems	4
AB 204	Auto Suspension Systems	4
AB 208	Advanced Automotive Electronics	3
CO 131	Oral Communications	3
	credits:	17
	Total Credits:	**66**