Automotive Technology BMW

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

DIVISION OF SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS

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 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 BMW 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, Sign Language, Theater Arts, English (EN 103 or higher)

Social Science Electives:
Anthropology, Economics, Geography, Government, History, LA 200 Media and the Law, LA230 Law and Society, Psychology, Sociology

A grade of C or higher is required for all Biotechnology (BT) courses.

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
Semester 1		
AB 100	Automotive Fundamentals	5
AB 102	Automotive Electrical Fundamentals	4
CS 100	Computers and Technology	3
MAC 101	Technical Math	3
CT 100	Critical Thinking	3
	credits:	18
Semester 2		
AB 103	Automotive Engine Diagnostic and Repairs	5
AB 105	Heating and Air Conditioning Theory	3
AB 106	Automotive Brake Systems	3
EN 101	Freshman English I	3
CO 131	Oral Communication	3
	credits:	17
Semester 3	*Summer (12 weeks)*	
AB 121	Cooperative Education I	3
	credits:	3
Semester 4		
AB 200	Advanced Engine Performance	5
AB 205	Automotive Transmissions, Manual Transmission, and Drive Systems	6
EN 102	Freshman English II	3
	Humanities Elective	3
	credits:	17
Semester 5		
PS 260	Psychology in Business and Industry	3
AB 201	Electronics Fuel and Ignition Systems	4
AB 204	Auto Suspension Systems	4
AB 208	Advanced Automotive Electronics	3
	Social Science Elective	3
	credits:	17
	Total Credits:	**72**