

Automotive Technology

BMW

Associate in Science

DIVISION OF TRANSPORTATION & ENERGY

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 (WR 100) or completion of Intro to Language (LN 090)
- MassBay placement into Introductory Algebra (MA 095) or completion of Basic Math (MA 090)
- Valid driver's license
(May be subject to dealership review of driving record and drug testing)

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 & Society (LA 230)

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
SF 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