

Associate of Applied Science (Motor Vehicle Technology) AAS-MVTEC

PROGRAMME OVERVIEW

The Associate of Applied Science in Motor Vehicle Technology programme at Bermuda College has been developed by the Bermuda College, the National Training Board (NTB), and the auto-motive industry.

The curriculum is designed to meet international and local standards, with the intent that students are competent to sit the Automotive Service Excellence (A.S.E.) and City & Guilds Automotive Technology certifications from the U.S.A. and London, England. This modularised programme takes two years to complete. Students will experience lectures, practical assignments, and self-directed activities. Additionally, industry experience will be a required component of their curriculum as they progress through the modules, working with the lecturer and being evaluated on a skills basis.

Upon completion, students will be eligible to receive an industry-recognised degree in automotive technology from Bermuda College and enter the automotive industry as a second-year apprentice automotive technician.

Prerequisite: NCCER Core (8CR)
(Please see NCCER Courses on pg. 104)

CURRICULUM

TOTAL CREDITS: 54

YEAR 1

First Semester - 19 credits

CSC 1110	Learning Strategies for Student Success	1
CIS 1120	Introduction to Business Applications of Computers	3
ENG 1111	Freshman Composition	3
MAT 1105	College Algebra I	3

Career Concentration:

MVT 1104	Electrical Systems	3
MVT 1105	Battery/Charging Systems	3
MVT 1106	Starting Systems	3

Second Semester - 12 credits

ENG 1115	Writing for Professionals	3
MAT 1141	Pre-Calculus	3

Career Concentration:

MVT 1101	Ignition Systems	2
MVT 1102	Fuel/Exhaust Systems	2
MVT 1103	Exhaust Emissions Systems	2

YEAR 2

First Semester - 13 credits

MGN 1114	Introduction to Business	3
PHY 1121	Principles of Physics I	4
Elective Course in Social Science		3

Career Concentration:

MVT 2107	Braking Systems	1
MVT 2108	Hydraulic Brake Systems	1
MVT 2109	Anti-lock Brake Systems	1

Second Semester - 10 credits

MGN 2245	Introduction to Small Business Management	3
PHY 1122	Principles of Physics II	4

Career Concentration:

MVT 2110	Steering Systems	1
MVT 2111	Power Steering Systems	1
MVT 2112	Suspension Systems	1