Certificate in Motor Vehicle Technology CT-MVTEC

PROGRAMME OVERVIEW

The Automotive Technology Certificate Programme at Bermuda College has been developed in partnership with the Automotive Industry and the National Training Board (NTB). The curriculum is designed to meet international and local industry standards with the intent that students be competent to sit the Automotive Service Excellence (A.S.E.) and City & Guilds international certifications. This modularised programme is full-time and takes two years to complete. Students will experience lectures, practical exercises, assignments and self-directed activities as they progress through the modules, working with the lecturer and being evaluated on a skills basis, in addition to industry experience which is compulsory in the second year of the course.

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: 44

		Credits
YEAR 1		
First Semester - 18 credits		
CSC 1100	Learning Strategies for Student Success	1
CSM 1101	Computer Skills Module	2
ENG 0044	Communications for Industry I	3
MAT 0014 or	Preparatory College Mathematics I or	3
TMM 1001	Technical Math I	
MVT 1104	Electrical Systems	3
MVT 1105	Battery/Charging Systems	3
MVT 1106	Starting Systems	3
Second Semester - 12 credits		
ENG 0045	Communications for Industry II	3
MAT 0015 or	Preparatory College Mathematics II or	3
TMM 1002	Technical Math II	
MVT 1101	Ignition Systems	2
MVT 1102	Fuel/Exhaust Systems	2
MVT 1103	Exhaust Emissions Systems	2
YEAR 2		
First Semester - 7 credits		
MVT 2107	Braking Systems	1
MVT 2108	Hydraulic Brake Systems	1
MVT 2109	Anti-Lock Brake Systems	1
TSM 1101	Technical Science I	4
Second Semester - 7 credits		
TSM 1102	Technical Science II	4
MVT 2110	Steering Systems	1
MVT 2111	Power Steering Systems	1
MVT 2112	Suspension Systems	1