

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.

Pre-requisite: NCCER Core (8CR)

(Please see NCCER Courses on page 103.)

CURRICULUM

TOTAL CREDITS: 44

YEAR 1

First Semester - 18 credits

	<u>CREDITS</u>
CSC 1110 Learning Strategies for Student Success	1
CSM 1101 Computer Skills Module	2
ENG 1044 Communications for Industry I	3
MAT 0014 Preparatory College Mathematics I	3
MVT 1104 Electrical Systems	3
MVT 1105 Battery/Charging Systems	3
MVT 1106 Starting Systems	3

Second Semester - 12 credits

ENG 1045 Communications for Industry II	3
MAT 0015 Preparatory College Mathematics II	3
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