



Course Overview

Technicians actively engaged in advanced diagnostic procedures and electronic repair work on motor vehicles will benefit from attending this course. The diagnosis of complex vehicle system faults requires an experienced technician to have a high level of competence with electronic components and systems. The aim of this laboratory-based electronics course is to extend the learner's knowledge of electronic principles, computer based controls and advanced electronic circuitry. Emphasis on the course is given to the construction of specialised electronic circuits and practical testing, using laboratory oscilloscopes and instruments.

Who is the course for?

Vehicle technicians with a sound knowledge of essential electronic principles at diagnostic technician level and are familiar with oscilloscope waveform manipulation and advanced electrical fault-finding. A good understanding of mathematical principles will also be an advantage.

What will I get out of it?

You will be able to:

- Carry out advanced electronic analysis of vehicle circuitry and control electronics for the high-level diagnosis of vehicle electronic faults.
- Identify hardware faults.
- Identify software faults.
- Identify correct ECU control function

Course Duration

25Hours (5 days)

Course Format

Labs /workshop

Course Fees

200 Omani Rial

Language

Arabic/English



الكلية الوطنية لتقنية السيارات
National College of Automotive Technology