



Course Overview

Technicians involved in diagnosis and repair need to work on a variety of electronically controlled vehicle systems. The aim of this laboratory based electronics course is to provide a sound knowledge of the essential electronic principles, to assist in understanding the internal function of the sensors and components found on today's vehicles. Course emphasis is focused on the practical construction of electronic circuits using discrete components, the study of various sensor technologies and the bench testing of vehicle components. The relationships between the fundamental workings of electronics and actual vehicle applications are established.

Who is the course for?

Vehicle technicians with skills at diagnostic technician level and are familiar with common electrical principles including essential mathematical formulae used in electrical calculations.

What will I get out of it?

You will be able to:

- Carry out advanced analysis of vehicle electronic faults at an accomplished level.
- Utilise specific component test procedures to provide extra data in the evaluation of vehicle system and component faults.
- Identify the correct or incorrect function of electronic devices.
- Identify that a component requires replacement or repair.

Course Duration

30Hours (5 days)

Course Format

Labs /workshop

Course Fees

240 Omani Rial

Language

Arabic/English



الكلية الوطنية لتقنية السيارات
National College of Automotive Technology