



**\*\*\*REMEMBER TO REGISTER EARLY\*\*\***

### Programme Description

The Electronics Engineering programme is a four-year programme with Industrial Control Systems emphasis. It educates students in the areas of basic electronic theory and analysis, industrial control principles and practices and provides students with the skills required to obtain jobs as industrial electronic technicians. A wide variety of industrial specialisations includes basic theory and extensive hands-on experience with industrial wiring practices, motors and motor controllers, programmable controllers and a variety of industrial instrumentation.

### Programme Objectives

- Operate correctly on electronic test equipment: oscilloscopes, DMMs and signal generators
- Read and understand circuit schematic diagrams, recognise basic circuit configurations and understand their operation
- Understand basic circuit analysis techniques
- Troubleshoot and repair common electronic circuits
- Install programmable logic controllers and troubleshoot

