Students are introduced to basic Electrical & Electronic Engineering principles with hands-on experiences to emphasise on the areas of Electronic Circuit Analysis, Control Systems, Electrical Machines & Electric Power Systems, as well as Telecommunications. Students are also able to develop the ability to apply ICT knowledge in engineering analysis, simulation and control through various software such as C++ and MATLAB.

Programme structure

Level 1
- Analogue Electronics
- Circuit Theory & Electronic Devices
- Engineering Drawing
- Engineering Mathematics 1
- Engineering Mathematics 2
- Engineering Mathematics 3
- Physics
- Programme Logic Formulation
- Structured Programming
- Structures & Properties of Materials
- Technical English

Level 2
- Electric Power Systems & Machines
- Electromagnetic Field Theory
- Introduction to Digital Electronics
- Introduction to Embedded Systems
- Introduction to Power Electronics & Drives
- Modern Control Systems Engineering
- Object-Oriented Programming in Java
- Professional Development
- Project
- Telecommunication Systems

Internship

MPU subjects
- Community Service & Co-curriculum
- Critical Thinking for Better Communication
- Bahasa Kebangsaan A*
- Malaysian Studies 2 (Local students) / Communication in Malay 1B (International Students)
- Personal Financial Planning

Duration
2.5 Years

Offered at
INTI International College Penang

INTAKES: JAN, APR & AUG

FOR MORE INFORMATION
CLICK HERE