

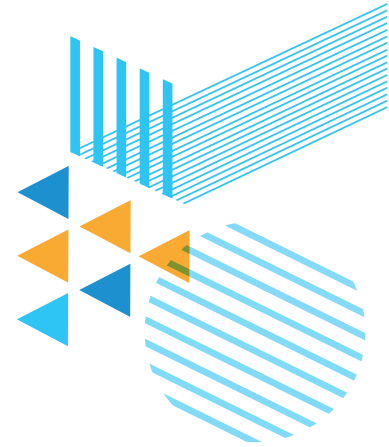
## PROGRAMME DETAILS

Programme Code: R/523/3/0208 (A10429) 07/19

Duration: 1.5 Year

Main Intakes: January, June and September

Awarding Body: Institut Teknologi Pertama



## PROGRAMME OVERVIEW

The aim of this programme is to produce skilled workforce/technicians with an understanding of the basic electrical and electronic engineering principles and the core technical skills to meet the demands of the relevant industries. It also serves as a platform to pursue higher study within the field. This programme fulfils the market needs and contributes to social and national development.

## ENTRY REQUIREMENTS

1. SPM / SPMV / GCE 'O' Level:  
Pass with minimum 1 credit and pass in Mathematics; OR
2. UEC:  
Pass with minimum Grade B in 1 subject and pass in Mathematics; OR
3. O-Level or its equivalent:  
Pass with minimum Grade C in 1 subject and pass in Mathematics; OR
4. SKM:  
Pass Level 2 in relevant fields and a pass in Mathematics in SPM or its equivalent; OR
5. Other equivalent qualifications recognized by the Malaysian Government.

*AND*

Students must pass:

- a) IELTS with a minimum band of 5.0; OR
- b) TOEFL with a minimum score of 500; OR
- c) Pass in English (O-Level or equivalent to SPM 1119); OR
- d) Band 5.0 in IELTS Equivalent Test conducted by Institut Teknologi Pertama.



# Programme Structure

## Year 1

- Electrical Circuits and Analysis
- Electronic Laboratory Practice
- Engineering Mathematics I
- Electrical Principles
- Technical English
- Engineering Science
- Electronics Circuits
- Engineering Mathematics II
- Analogue Electronics
- Telecommunication Systems Fundamentals
- Digital Electronics
- Introduction to Industrial Organization Practices
- Study Skills

## Year 2

- Electric Machines
- Principle of Control Systems
- Project Electrical & Electronic Engineering
- Introduction to C Language Programming
- Critical Thinking
- Co-Curriculum

*As stated in the Circular from Ministry of Education No. 2/2013 with reference number JPT/GS1000-606Jld.1(25), all new students who enroll into any programme in any private institution after 01 September 2013 are required to complete and pass all the required General Studies Modules / Mata Pelajaran Umum (MPU).*

