

PROGRAMME DETAILS

Programme Code: R/522/4/0026 (A8430) 10/17

Duration: 3 Years

Main Intakes: January, June and September

Awarding Body: Institut Teknologi Pertama

CAREER PROSPECTS

Graduates from this programme may venture to be electrical and electronic engineering technicians in various industries such as manufacturing, sales, construction, inspection and maintenance.

PROGRAMME OVERVIEW

This programme provides students with a comprehensive knowledge of the theories and practices of electrical and electronic engineering. It is designed to provide a broad understanding of the industry, alongside a practical approach through the industrial training in the final year.

ENTRY REQUIREMENTS

1. SPM / SPMV:

Pass with a minimum of 3 credits including Mathematics and 1 relevant Science / Technical / Vocational subject and a pass in English; OR

2. UEC:

Pass with minimum Grade B in 3 subjects including Mathematics and 1 relevant Science / Technical / Vocational subject and a pass in English; OR

3. O-Level:

Pass with minimum Grade C in 3 subjects including Mathematics and 1 relevant Science / Technical / Vocational subject and a pass in English; OR

4. Passed in a Recognized Certificate from polytechnics or from Kolej Universiti Linton or its equivalent with provisional accreditation; OR

5. SKM Level 3:

Pass in a related field, and a pass in SPM and credit in Mathematics; OR

6. Certificate College Community (Level 3, MQF):

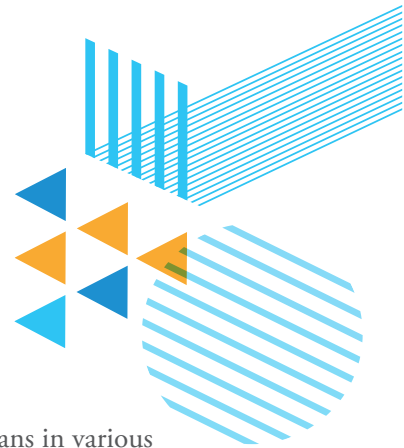
Pass in relevant field and a pass in SPM with credit in Mathematics; OR

7. Certificate with Level 3 MQF:

Pass in relevant field and credit in Mathematics in SPM; OR

8. STPM or its equivalent:

Pass with a minimum Grade C (GP 2.00) in any subject and credit in Mathematics in SPM; OR



9. STAM:

Pass with a minimum of Grade of Maqbul (pass) and a credit in Mathematics in SPM; OR

10. Other equivalent qualifications recognized by the Malaysian Government.

Candidates without a credit in Mathematics in SPM or its equivalent may be given admission if the Certificate programme contain subjects in Mathematics that are equivalent to Mathematics in SPM.

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.

If a student does not meet this requirement, English proficiency courses will be offered to ensure that the student's proficiency is sufficient to meet the needs of the programme. This is conducted through an assessment process.

Programme Structure

Year 1	Year 2	Year 3
<ul style="list-style-type: none">• Mathematics 1• Academic Communicative English 1• Computer Applications• Mathematics 2• Principles of Physics• Academic Communicative English 2• Introduction to Electrical Engineering• Analogue Electronics• Dynamics	<ul style="list-style-type: none">• Electrical & Electronics Principles• Mathematics 3• Programming with MATLAB• Digital Electronics• Digital & Analogue Devices & Circuits• Electrical Power• Engineering Mathematics• Telecommunication Principles• Programming Concepts	<ul style="list-style-type: none">• Industrial Training• Business Management Techniques• Control Systems and Automation• Electrical Machines• Microprocessor and Microcontroller Systems• Project• Utilization of Electrical Energy

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).

