

DIPLOMA IN ELECTRICAL AND ELECTRONIC ENGINEERING

KPT/JPS(N/523/4/0307)(MQA/PA9233)01/23



MAHSA
UNIVERSITY

FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY



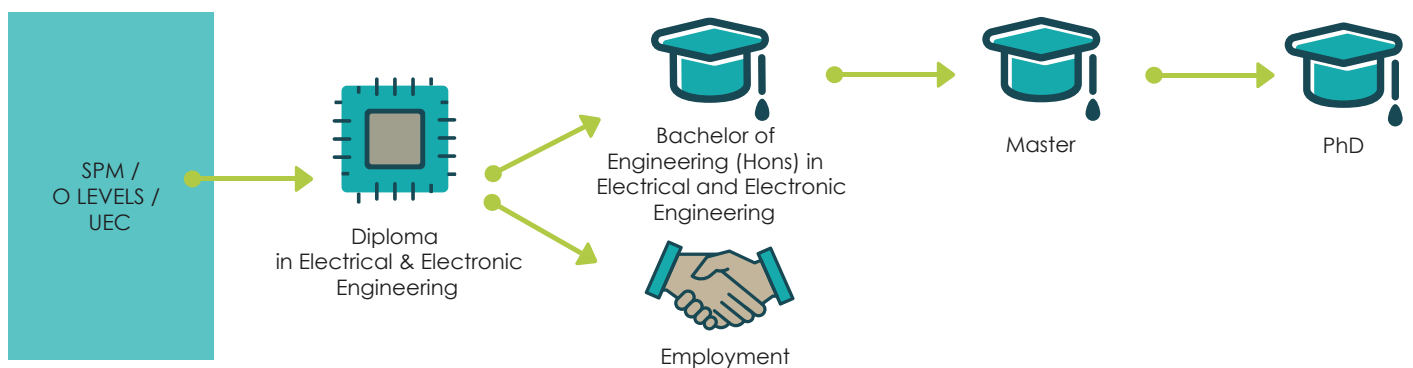
"If you want to find the secrets of the universe, think in the terms
of energy, frequency & vibration"

- Nikola Tesla



The Diploma in Electrical and Electronic is a two-and-half-years programme that provides students with comprehensive knowledge in Electrical & Electronic Engineering theory and practice and equips them with a broad understanding of the relevant skills needed to meet the challenges in the electrical & electronics industry. Students will be well-trained in civil discipline, become multi-talented and competent in ICT, acquire managerial skills, and be readily adaptable to a multi-disciplinary work environment. Students will be given the opportunity to practise in the real work environment through industrial training provided in the programme, enhancing their employability.

PROGRESSION PATHWAY



THE ECOSYSTEM

During their time at MAHSA University, we want to provide all of our students with the opportunity to develop qualities, skills and understanding that go beyond the disciplinary expertise and prepare them for the next steps in their chosen careers.

MAHSA 360 is the ecosystem that works to ensure every single student is nurtured and supported throughout the student journey.



PROGRAMME STRUCTURE

YEAR
01

Analysis of Circuits
Basics of Electrical and Electronic Engineering
Communicative English
Technical Mathematics 1 & 2
Electrical Engineering Workshop
Engineering Drawing
Engineering Mechanics
Engineering Science
Engineering Software Applications
Introduction to C Programming
Instrumentation and Measurements

YEAR
03

Engineering Health and Safety
Elective 1 & 2
Final Project
Management for Engineers
Programmable Logic Controller

YEAR
02

Analogue & Digital Electronics
Communications & Controls Lab
Control Systems Engineering
Electronic Communication
Electronics Lab
Electrical Machines and Power Systems
Electrical Machines Lab
Industrial Training
Microcontroller systems
Maintenance of Electrical Equipment & Systems
Power Electronics
Technical Mathematics 3

ELECTIVES

Electrical Energy Generation,Transmission and Distribution
Embedded System
Utilisation of Electrical Energy

GENERAL
MODULES

Co-curricular Project
Creative and Critical Thinking
Time Management

Local Students
Pengajian Malaysia 2

International Students
Bahasa Melayu Komunikasi 1

ENTRY REQUIREMENTS

Academic Qualification

| | |
|-------------|--|
| SPM | Pass with min. three (3) credits including Mathematics, one (1) relevant Science / Technical / Vocational subject and pass in English. |
| UEC | Pass with min. grade B in three (3) Subjects including Mathematics, one (1) relevant Science / Technical / Vocational subject and pass in English. |
| O-Level | Pass with min. grade C in three (3) Subjects including Mathematics, one (1) relevant Science/Technical/ Vocational subject and pass in English. |
| SKMV | Pass with CGPA 2.0 and one (1) year related working experience or one (1) semester bridging programme. |
| CERTIFICATE | Pass Certificate in Engineering with CGPA 2.0. |
| Other | Recognised Malaysian qualifications or their equivalent. |

English Proficiency

| IELTS | TOEFL |
|-------|-------|
| 5.0 | 500 |

CAREER OPPORTUNITIES

- Assistant Electronic Engineer
- Assistant Project Manager
- Assistant Technical Factory
- Assistant Service Engineer
- Assistant Operation Engineer
- Electrical Charge-man
- Electrical & Electronic Technician
- Electrical Site Supervisor
- Designer Drawing
- Junior Layout Engineer
- Maintenance Technician
- Manufacturing Technician
- Technical Sales Engineer
- Technical Assistant
- Technical Specialist



Library



The Habitat



Football Field



Residences



Student Success Centre



Global Business Centre

Contact us
1800 88 0300

marketing@mahsa.edu.my

www.mahsa.edu.my



MAHSA University



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