

EXECUTIVE DIPLOMA IN
**ELECTRICAL
AND ELECTRONICS
ENGINEERING** (MQA/PA10752)

Professional and Executive Programme



Faculty of
Engineering

INTRODUCTION

Executive Diploma in Electrical and Electronics Engineering is highly relevant and has broad prospects in line with the nation's aspiration to embrace the Fourth Industrial Revolution or Industry 4.0. It is also aimed to spur growth in the local electrical and electronics sector in the Sama Jaya Industrial Area, Kuching and for programme development of Sarawak Corridor of Renewable Energy (SCORE) in Sarawak. There is a labour shortage faced by the electrical and electronics industries. Thus, the government ensures enough human capital to support the electrical and electronics industries, thereby contributing to the economic interests of Malaysia. By offering this course in UNIMAS, it is expected to produce qualified human resources and skilled workers which are critical in the growth of the electrical and electronics engineering field especially in Sarawak.

PROGRAMME STRUCTURE BASED ON SEMESTER

Semester 1

DEE1013	Engineering Mathematics I
DEE1023	Physics
DEE1033	Chemistry
DEE1043	Electrical Technology
DEE1053	Analog Electronics
MPU2212	Foundation of Entrepreneurship Cultivation
PB11072	English for Professional Communication

Semester 2

DEE1063	Electric Circuit
DEE1073	Structured Programming
DEE1083	Instrumentation and Measurement
DEE1093	Digital Electronic
DEE1102	Electrical Engineering Lab I
MPU2312	Warisan Nusa
MPU2122	Penghayatan Etika dan Peradaban

Semester 3

DEE2113	Engineering Mathematics II
DEE2123	Circuit Theory
DEE2133	Communication Systems
DEE2132	Electrical Installation Work
DEE2152	Electrical Engineering Lab II
MPU2XXX	Kokurikulum Berkredit (Kesukarelawan)

Semester 4

DEE2163	Programmable Logic Controller
DEE2173	Microprocessor
DEE2183	Industrial Automation and Robotic
DEE2193	Control System
DEE2202	Engineering Management
DEE2212	Power Engineering Laboratory I

Semester 5

DEE3223	Electrical Machine
DEE3233	Electrical Power System
DEE3243	Power Electronics
DEE3252	Power Engineering Laboratory II
DEE3264	Final Year Project

Semester 6

DEE3277	Industrial Training
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FACILITIES AND RESOURCES

To support your study, the university provides various facilities and resources:

Library (Perpustakaan Tun Abdul Rahman Ya'akub [PeTARY])

6 Teaching Laboratories

- Control System Lab
- Computer Aided Engineering Lab
- Digital/Analog Electronic Lab
- Electrical & Electronic Lab 1
- Electrical & Electronic Lab 2
- Renewable Energy Lab

3 Project-based Laboratories

- Electrical & Electronic Workshop
- PCB Lab
- Project Lab

3 Industrial Laboratories

- Electrical Power Lab 2 (Shorefield)
- Data & Computer Networking Lab (SACOFA)
- Power & Industrial Electronics Lab (Kiwitech)

WHO SHOULD APPLY

Candidates with at least 3 years of industrial experience who are SPM or Certificate holders looking for opportunities to progress further in the field of Electrical and Electronics Engineering. Also, candidates looking to enhance their CV with a certified Executive Diploma Program (Provisional Accreditation by MQA).

ENTRY REQUIREMENTS

The requirements for admission are as the followings:

1. Malaysian;
2. Pass SPM with three credits or equivalent;
3. At least three (3) years of working experience in related fields;
4. At least 21 years old.

Link to the application form:
<https://bit.ly/UNIMASEDEEE>

DURATION OF THE PROGRAMME

3 Years Full-Time (6 Semesters)

All sessions will be held during the weekends to accommodate candidates who are working full-time.

COURSE FEES

Malaysian student **RM 28,672.00**

Fees include administrative, tuition and course materials for the duration of the programme. Further payment will be required if the students extend their studies.



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