

Programme Duration: 2.5 Years Full time



**SCHOOL OF SCIENCE
& ENGINEERING**

Level 5 Diploma in Electrical Engineering

"This programme is designed to develop a comprehensive understanding of electrical power, supplemented by a solid foundation in electronics. To equip students with knowledge in electrical fundamentals, electronics, AC circuits, power systems, microcontrollers, instrumentation, and renewable energy, preparing them for diverse engineering roles and real-world applications."

Career Opportunities

Power Systems Engineer, Electronics Technician, Control Systems Technician, Renewable Energy Technician, Electrical Design Engineer, Instrumentation Technician, Project Manager, Field Service Engineer

Further Studies Opportunities

Bachelor degree in electrical engineering or any related field such as Bachelor of Engineering in Electrical Engineering, Electronics Engineering, Renewable Energy Engineering

Year 1, Semester 1	
Module Title	Module Type
Health, Safety, Security and Environment	Core
Pengajian Melayu Islam Beraja	Core
Communication Skills	Core
Engineering Mathematics 1	Core
Electrical Engineering Fundamentals	Essential
Analogue Electronics	Essential

Year 1, Semester 2	
Module Title	Module Type
Pendidikan Islam	Core
Engineering Mathematics 2	Core
AC Circuits	Essential
Digital Electronics	Essential
Power System 1	Specialised

Year 2, Semester 3	
Module Title	Module Type
Entrepreneurship Basics	Core
Engineering Mathematics 3	Core
Microcontroller and Application	Essential
Transducer and Instrumentation	Essential
Electrical Machine	Specialised
Electrical Installation and Technology	Specialised

Year 2, Semester 4	
Module Title	Module Type
Final Year Project	Core
Power Electronics and Drive	Specialised
Power Systems 2	Specialised
System Modelling and Control	Specialised
PLC and Automation	Specialised
Renewable Energy (Photovoltaic Technology)	Specialised

Year 2.5, Semester 5	
Module Title	Module Type
Internship	Core

Throughout 2.5 years programme	
Enrichment	Core