POLITEKNIK BRUNEI

SCHOOL OF SCIENCE & ENGINEERING

Level 5 Diploma in Electronic & Communication Engineering

"This programme is designed to develop skills in all aspects of analog and digital circuit design, as well as communication systems and communications networks development. This programme emphasizes on the engineering principles required to analyse and solve problems related to the design and implementation of electronic and communication systems."

Career Opportunities

Electronic technician, Telecommunication support specialist, Field service technician, Network technician, Electronic Assembler, Computer Programmers, Systems technician, Broadcast technician, Automation Technician, Technical support specialist, Network Operation Centre technician, Field operations Technician, IT Operations Technician

Further Studies Opportunities

Successful graduates in this Diploma programme may pursue further studies in the related field such as: Bachelor of Engineering in the field of Electronic and Communication Engineering, Electrical and Electronic Engineering, and Systems Engineering, Computer Networking, or Information and Communication Systems Engineering

Programme Duration: 2.5 Years Full time

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 Circuit Principles	Essential
Electrical Laboratory Skills	Essential

Year 1, Semester 2	
Module Title	**Module Type**
Pendidikan Islam	Core
Engineering Mathematics 2	Core
Digital Electronics (Telecomm)	Essential
Electronic Devices and Circuits	Essential
Communication Systems	Specialised

Year 2, Semester 3	
Module Title	**Module Type**
Entrepreneurship Basics	Core
Computer Programming	Essential
Data Communications	Specialised
Communication Electronics	Specialised
Fibre Optics Communication	Specialised

Year 2, Semester 4	
Module Title	**Module Type**
Final Year Project	Core
IoT Fundamentals	Essential
Microwave Systems	Specialised
Network Application Programming	Specialised
Mobile and Satellite Communication Systems	Specialised

Year 2.5, Semester 5	
Module Title	**Module Type**
Internship	Core

Throughout 2.5 years programme	
Enrichment	Core