



قوليتيكنيك بروني
POLITEKNIK BRUNEI

**SCHOOL OF SCIENCE
& ENGINEERING**

Level 5 Diploma in Mechanical Engineering

"This programme is designed to develop skilled and knowledgeable graduates in the area of mechanical engineering. The programme is developed with the industry's experts ensuring the relevant knowledge, skills and competencies are incorporated into the modules which includes manufacturing, mechanisms and design."

Career Opportunities

Appliances Engineer, Communication Engineer, Construction Engineer, Engineer Consultant, Instrumentation & Control Engineer, Design Engineer, Maintenance Engineer, Manufacturing Engineer, Mechatronic Engineer, Medical Engineer, Operation Engineer, Project Engineer, Research & Development Engineer, Project Planner, Project Manager, Vocational Technical Trainer, Technician, Site Engineer, Quality Control Engineer, Safety supervisor, Supervisor, Foreman, Auditor, Welder, Draughtsman

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 Mechanical Engineering, General Engineering, Chemical and Process Engineering, Mechatronics Engineering, Product Design

Programme Duration: 2.5 Years Full time

Year 1, Semester 1	
Module Title	Module Type
Health, Safety, Security & Environment	Core
Pengajian Melayu Islam Beraja	Core
Communication Skills	Core
Mathematics for Engineering 1	Core
Engineering Mechanics (Statics)	Essential
Engineering Management	Essential

Year 1, Semester 2	
Module Title	Module Type
Pendidikan Islam	Core
Engineering Drawing	Core
Engineering Mathematics 2	Essential
Electrical Principles	Essential
Engineering Measurements	Essential

Year 2, Semester 3	
Module Title	Module Type
Engineering Materials	Essential
Manufacturing and Fabrication Processes	Essential
Engineering Mechanics (Dynamics)	Essential
Mechanical Equipment Operation and Maintenance	Essential
Entrepreneurship Basics	Essential

Year 2, Semester 4	
Module Title	Module Type
Final Year Project	Core
Engineering Thermodynamics	Essential
Mechanical Engineering Design	Essential
Engineering Mechanics (Fluid)	Essential
Maintenance Engineering and Planning	Essential

Year 2.5, Semester 5	
Module Title	Module Type
Internship	Core

Throughout 2.5 years programme	
Enrichment	Core