



WEEKEND & EVENING CLASSES

BACHELOR OF ENGINEERING TECHNOLOGY (HONS.) IN APPLIED ELECTRONICS

ENQUIRIES

UNIVERSITI KUALA LUMPUR
MALAYSIAN SPANISH INSTITUTE
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**MOHE/ MQA
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Accredited**



+ PROFESSIONAL CERTIFICATE

TRIZ LEVEL 1

JPT/BPP (N/523/6/0278) 12/20, MQA PA 7649 **BACHELOR OF ENGINEERING TECHNOLOGY (HONS.) IN APPLIED ELECTRONICS** Weekend classes and Online Forum during Weekdays

OVERVIEW

Bachelor of Engineering Technology (Hons.) in Applied Electronics (BET AE) course are developed with the intention of providing a platform for individuals to have theoretical and practical skills required by the semiconductor and industrial electronic sectors. This program which is a cross-disciplinary field provides students with knowledge in radio frequency wireless technology, semiconductor, electrical, electronic devices, control system and instrumentation, automation, mechanical, manufacturing process and project management. These are some of the necessary fields required for the electronics industry. Additionally, students will also be exposed to entrepreneurial skills that will help them developed their own business in future time. This is done by embedding entrepreneur elements in the courses of this programme. With the introduction of Industrialmanship and Teaching Factory it will ensure the students from this programme will not only be skilled in technical aspects but also in entrepreneurship. With the booming of electronics industry in the northern region, the students will have the opportunities to be a global technopreneurs.

ENTRY REQUIREMENT

Passed Sijil Tinggi Pelajaran Malaysia (STPM) or equivalent with at least Grade C (CGPA 2.0) in Mathematics and one Science subject in connection with a pass in SPM including in the subjects of English
OR

Passed Diploma (Level 4 kkm) in Engineering / Engineering Technology related or equivalent with a minimum CGPA of 2.00 and a pass in English at SPM
OR

Passed Diploma (Level 4 KKM) in the field of vocational and technical / skill associated with at least a CGPA of 2.00 and a pass in English at SPM
OR

Graduated UNIKL Foundation in Science and Technology / Matriculation / Foundation / Foundation with a CGPA of 2.00 and a pass in English at SPM
OR

Pass Sijil Tinggi Agama Malaysia (STAM) or equivalent with a minimum grade of Jayyid and pass SPM or equivalent with at least a credit in Mathematics and one Science subject in connection with a pass in English
OR

Graduated International Baccalaureate (IB) with at least 24/25 marks including Mathematics and one Science subject related

Other qualifications recognized by the Malaysian Government
HAVE A UNIVERSITY QUALIFICATION EXAMINATION ENGLISH TEST (MUET) AT LEAST BAND 2 OR
HAVING AT LEAST MINIMUM IELTS BAND 5.0 OR
HAVE MINIMUM SCORES AT LEAST TOEFL 500

FUNDING OPTIONS

HRDF Claimable

**subject to company levy contribution*

EPF WITHDRAWAL PTPTN

**subject to PTPTN approval*

CREDIT CARD

MODULES OFFERED

SEMESTER 1

Fundamental English
Professional English 1
Engineering Mathematics 1
Technopreneurship
Tamadun Islam & Tamadun Asia (TITAS) (Local Students)
Pengajian Malaysia 3 (International Students)

SEMESTER 2

Hubungan Etnik / Pengajian Malaysia 3**
Innovation Management
Engineering Mechanics
Electric Circuit Analysis
Applied Electronics Laboratory

SEMESTER 3

Fundamentals of Materials Science
Digital Electronics
Semiconductor Technology
Computer Programming
Engineering Mathematics 2

SEMESTER 4

Analog Circuit Application 1
Isu-Isu Kontemporari Muslim Di Malaysia / Culture and Lifestyle in Malaysia***
Introduction to VLSI and Fabrication
Electronic Devices
Electronic Instrumentation Laboratories

SEMESTER 5

Co-Curriculum (9 Options)
Engineering Materials
Signals and Systems
Engineering Electromagnetics
Object Oriented Programming

SEMESTER 6

Analog Circuit Application 2
Sensor Technology
Applied Digital Electronics
Professional English 2
PCB Design

SEMESTER 7

Electric Machine Fundamentals
Engineering Drawing
Control Systems
Microcontroller and Interfacing

SEMESTER 8

Applied Control Systems
Analog IC Design and Verification
Mandarin 1 / Spanish 1
Elective 1
Telecommunication System

SEMESTER 9

Final Year Project 1*
Digital Signal Processing
Applied Statistics
Mandarin 2 / Spanish 2
Elective 2

SEMESTER 10

Elective 3
Professional Engineering Practice and Ethics
Quality Engineering
Final Year Project 2*

SEMESTER 11

Industrial Training

ELECTIVES

*Industrial Safety & Health
RF/ Microwave Circuits & Systems
RFIC Design for Wireless Communication
Power Electronics and Drive
Advanced Digital Design and FPGA
Artificial Intelligence*

**credit transfer or exemption based on prior learning*

