



UniKL
UNIVERSITI
KUALA LUMPUR

FLEXILEARN

WEEKEND & EVENING CLASSES



JPT/BPP (R2/522/6/0039) 06/26, MQA A10136

BACHELOR OF ENGINEERING TECHNOLOGY (HONS.) IN ELECTRICAL



OVERVIEW

Today's sophisticated workplace demands high-tech professionals who can successfully put their knowledge and skills to work in the dynamic field of electrical engineering technology. Our bachelor's degree program of Engineering Technology in Electrical is designed to provide you a comprehensive set of skills as an engineering technologist in various sectors. The program blends minds-on theory and hands-on applications preparing you to be an expert in electrical engineering field. You will not only learn about the fundamental concepts such as electrical circuits, industrial control, instrumentation, renewable energy, power generation, transmission and distribution; but also will learn to construct, test and analyze electrical circuits and systems using up-to-date engineering tools.

Prior to graduation, you will undergo a 24-week industrial training attachment at a real workplace. All these wide range of subjects are designed to improve both your technical knowledge and soft skills in communications, management, technopreneurship and professional practice. Furthermore, the program also will gives you additional qualification for you to advance your career.

FINANCIAL ASSISTANT

HRDF Claimable
**subject to company levy contribution*

EPF WITHDRAWAL

PTPTN
**subject to PTPTN approval*

CREDIT CARD

ENTRY REQUIREMENT

Pass Sijil Tinggi Pelajaran Malaysia (STPM) or equivalent with a minimum of Grade C (CGPA 2.0) in 3 subjects including Mathematics, one (1) Science and passed the Sijil Pelajaran Malaysia (SPM) or equivalent with at least passing English or equivalent

OR
Passed Diploma in Engineering / Engineering Technology (Level 4, kkm) in areas related to daripada PPT recognized by the Malaysian Government with a minimum CGPA of 2.0, OR
Passed Diploma (Level 4, kkm) in the field of Vocational, Scientific or Technical / related skills and recognized by the Malaysian Government with a minimum CGPA of 2.0 and a pass in English at SPM or equivalent

OR
Passing Basic Science and Technology / Basic Science / Matriculation / Science Program in the field of preparation of PPT recognized by the Malaysian Government with minimum CGPA 2.0 including Mathematics and one (1) science subjects AND pass in English at SPM or equivalent

OR
International Baccalaureate graduate with at least 24/45 points including Mathematics and one Science subject

OR
Pass Sijil Tinggi Agama Malaysia (STAM) with at least Grade Jayyid AND SPM or equivalent with at least a pass in English or equivalent

OR
Passed Higher National Diploma (HND) UK (Level 4, kkm) in areas related to the PPT recognized by the Malaysian Government with a minimum CGPA of 2.00

OR
Pass in Diploma Vokasional Malaysia (DVM) and pass in Sijil Vokasional (SVM) with minimum Academic CGPA 2.00; Minimum Vocational CGPA 2.67 and competent in all vocational modules; and credit in Bahasa Melayu with SVM Code 1104 and pass in Sejarah SPM

AND
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 4.0 OR
HAVE MINIMUM SCORES AT LEAST TOEFL 450 (PBT) or 135 (CBT) or 40 (IBT)

PROGRAMME STRUCTURE

SEMESTER 1
Fundamental English
Professional English 1
Tamadun Islam & Tamadun Asia (TITAS)
Bahasa Melayu Komunikasi 2
Technopreneurship
Engineering Mathematics 1

SEMESTER 2
Engineering Mathematics 2
Introduction to Electronics
Electrical and Electronics Workshop
Introduction to Electric Circuits
Introduction to Measurement and Instrumentation
Introduction to Digital Electronics
Hubungan Etnik
Pengajian Malaysia 3

SEMESTER 3
Engineering Mathematics 3
Electronics Devices and Circuits
Electrical Circuit Theorems
Engineering Mechanics
Essential Management Principles
Programming for Engineers
Mandarin 1

SEMESTER 4
Engineering Mathematics 4
Network Analysis
Electronics Amplifier Circuits
Power Electronics
Printed Circuit Design and Engineering Drawing
Mandarin 2

*credit transfer or exemption based on prior learning

SEMESTER 5
Power System
Control System
Professional English 2
Introduction to Microprocessor
Electrical Machines and Drives
Isu-isu Kontemporari Muslim di Malaysia
Culture & Lifestyle in Malaysia

SEMESTER 6
Final Year Project 1
Power Quality
Programmable Logic Controller and Application
Communication Systems
Industrial Safety and Health
Elective 1

SEMESTER 7
Final Year Project 2
Innovation Management
Electrical System in Building
Siswa-siswi Pertahanan Awam 2
Elective 2

SEMESTER 8
Industrial Training

Electives
Measurement and Instrumentation System
Industrial Control
Power Protection System
Artificial Intelligence
Robotic and Intelligent System
Introduction to Renewable Energy
High Voltage Technology
Optoelectronic Devices

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