FLEXILEARN
WEEKEND & EVENING CLASSES

MOHE / MQA Approved & Accredited

JPT/BPP (N/523/6/0278) 12/20, MQA PA 7649

BACHELOR OF ENGINEERING TECHNOLOGY (HONS.) IN
APPLIED ELECTRONICS

SETARA Tier 5 Excellence Status 2009-2013

#373 QS Asia University Ranking 2016

PUTRA Brand Award 2016

BRAND LAUREATE Icon Award 2016

KKLW Best Subsidiary Award 2014-2015

UniKL
UNIVERSITI KUALA LUMPUR

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.

FINANCIAL ASSISTANT

HRDF Claimable
subject to company levy contribution

EPF WITHDRAWAL

PTPTN
subject to PTPTN approval

CREDIT CARD

+ PROFESSIONAL CERTIFICATES
TRIZ Level 1

ENTRY REQUIREMENT

Passed Sijil Tinggi Pelajaran Malaysia (STPM) or equivalent with at least Grade C (CGPA 2.0) in Mathematics and one Science subject
OR
Passed Diploma or Higher National Diploma (HND) UK (Level 4 KKM) in Engineering / Engineering Technology related or equivalent with a minimum CGPA of 2.00
OR
Passed Diploma (Level 4 KKM) in the field of vocational and technical / skill associated with at least a CGPA of 2.00
OR
Graduated UniKL Foundation in Science and Technology / Matriculation / Foundation with at least a CGPA of 2.00
OR
Passed Sijil Tinggi Agama Malaysia (STAM) or equivalent with a minimum grade of Jayyid and passed SPM or equivalent with at least a credit in Mathematics and one Science subject
OR
Graduated International Baccalaureate (IB) with at least 24/45 marks including Mathematics and one Science subject related

PROGRAMME STRUCTURE

SEMESTER 1
Fundamental English
Professional English 1
Engineering Mathematics 1
Tamadun Islam & Tamadun Asia(TITAS)
Technopreneurship

INTER-SEMESTER
Electric Circuit Analysis
Semiconductor Technology

SEMESTER 2
Hubungan Etnik / Malaysian Studies 3
Innovation Management
Applied Electronics Laboratory
Engineering Mechanics
Digital Electronics

SEMESTER 3
Isu-isu Kontemporari Muslim di Malaysia / Culture and Lifestyle in Malaysia***
Professional Engineering Practice and Ethics
Engineering Mathematics 2
Analog Circuit Application 1
Introduction to VLSI and Fabrication
Computer Programming
Electronic Devices
Fundamental of Material Science

SEMESTER 4
Co-Curriculum**
Electronic Instrumentation Laboratories
Signals and Systems
Object Oriented Programming
Analog Circuit Application 2
Sensor Technology
Applied Digital Electronics

SEMESTER 5
Professional English 2
PCB Design
Electric Machine Fundamentals
Engineering Drawing
Control Systems
Microcontroller and Interfacing
Engineering Electromagnetics

SEMESTER 6
Mandarin 1/Spanish 1
Applied Control Systems
Analog IC Design and Verification
Telecommunication System
Elective 1***
Elective 2***
Final Year Project 1

SEMESTER 7
Mandarin 2/Spanish 2
Quality Engineering
Digital Signal Processing
Applied Statistics
Elective 3***
Final Year Project 2

SEMESTER 8
Industrial Training

ADDITIONAL MODULE
Bahasa Kebangsaan A

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

CO-CURRICULUM**
Career Guidance 2
Community Service 2
Culture 2
Rakan Masjid 2
Siswa-siswi Bomba & Penyelamat 2
Siswa-siswi Pertahanan Awam 2
Sport s Management 2
Personal Financial Management 2
Askar Wataniah

*credit transfer or exemption based on prior learning

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