FINANCIAL ASSISTANCE

1) HAMIZAH HASSAN
   hamizah@unikl.edu.my  (604) 403 5199/5200  (6014) 886 1896

2) MOHD IZWAN MAMAT
   mohdizwan@unikl.edu.my  (604) 403 5199/5200  (6013) 923 1077

FOLLOW US FOR MORE INFORMATION
   www.unikl.edu.my  @uniklofficial
   Universiti Kuala Lumpur - Officialpage

Disclaimer: All information is correct at time of printing. However, subject to change by the management of Universiti Kuala Lumpur and will be notified of changes if any. All the information on materials, notes, handouts distributed are COPY RESERVED. No circulation, distribution or reproduction of contents, whole or on parts can be made without prior and written permission of Universiti Kuala Lumpur.

BACHELOR OF ENGINEERING TECHNOLOGY (HONS.) IN APPLIED ELECTRONICS
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.

FLEXIBLE LEARNING
Offering flexibility to cater to your schedule, so that you can pursue additional knowledge without interfering with your work schedule.

UniKL offers the flexibility to cater to your work schedule and provide you with the opportunity to enhance your skills whilst not compromising your work time. This workplace learning schedule is the main reason why many professionals choose to enter UniKL’s FlexLearn programmes. Selected Professional Certificates can be embedded into the programmes as well. Furthermore, prior academic qualifications and working experience may be taken into consideration for syllabus exemptions.

APPEL
Accreditation of Prior Experiential Learning

APPL is a systematic process which involves the identification, documentation, and assessment of prior experiential learning, i.e. knowledge, skills and attitudes, to determine the extent to which an individual has achieved the desired learning outcomes, for access to a programme of study and/or award of credits.

PROFESSIONAL CERTIFICATE

- 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

SEMMETER 1
- Fundamental English
- Professional English 1
- Engineering Mathematics 1
- Tamadun Islam & Tamadun Asia (TTAS) (L) / Bahasa Melayu Komunikasi 2 (L)
- Innovation Management
- Hubungan Etik (L) / Pengajian Malaysia 3 (L)
- Electric Circuit Analysis

SEMMETER 2
- Isu-isu Kontemporari Muslim di Malaysia / Culture and Lifestyle in Malaysia 2
- Co-Curriculum (9 Options)
- Engineering Mathematics 2
- Engineering Mechanics
- Fundamentals of Materials Science
- Computer Programming

SEMMETER 3
- Applied Electronics Laboratory
- Semiconductor Technology
- Digital Electronics
- Analog Circuit Application 1
- Introduction to VLSI and Fabrication
- Electronic Devices
- Sensor Technology

SEMMETER 4
- Technopreneurship
- Professional English 2
- Analog Circuit Application 2
- Applied Digital Electronics
- Electronic Instrumentation
- Signals and Systems
- Object Oriented Programming

SEMMETER 5
- Mandarin 1 / Spanish 1
- Control Systems
- Internet of Thing (IoT) Technology
- Engineering Electromagnetics
- PCB Design
- Telecommunication System
- Analog IC Design and Verification

SEMMETER 6
- Mandarin 2 / Spanish 2
- Digital Signal Processing
- Microcontroller and Interfacing
- Electric Machine Fundamentals
- Elective 1’
- Elective 2
- Final Year Project 1

SEMMETER 7
- Applied Statistics
- Professional Engineering Practice and Ethics
- Quality Engineering
- Digital Control Systems
- Elective 3
- Final Year Project 2
- Bahasa Kebangsaan A** (Additional Course)

SEMMETER 8
- 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

CO-CURRICULUM**
- Career Guidance 2
- Community Service 2
- Culture 2
- Rakan Masjid 2
- Siswa-siswi Bomba & Penyelamat 2
- Sports Management 2
- Personal Financial Management 2
- Kor Siswa-Siswi Pertahanan Awam 2
- Askar Wateriah
- Integriti & Anti Rasuah
- Hufaz Professional 2

* the duration of the programme will be based in the actual credit transfer and number of courses taken by student on every semester.