UniKL AWARD & RECOGNITION

QS Asia Ranking TOP 300 — 2020

MyRA Most Improved University — 2020

Top Islamic Finance Institution WORLD NO. 6 — 2020

TOP 10 Time Higher Education World University Rankings Malaysia — 2021

Malaysia Hockey League CHAMPIONS — 2018, 2019, 2020

PUTRA BRAND Award — 2016, 2018, 2019, 2020

SUPERBRAND Status — 2018

BRAND LAUREATE — 2016, 2017, 2018

Frost and Sullivan Asia Pacific Award — 2016, 2017, 2018

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Universiti Kuala Lumpur-DU011 (W)

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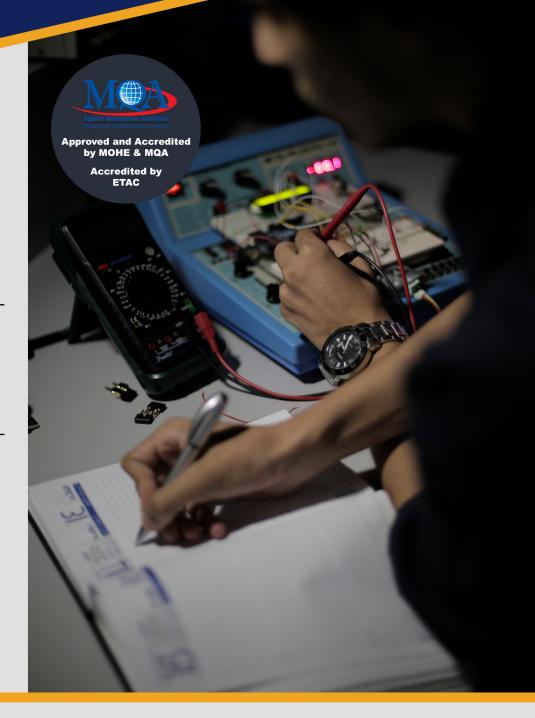📞 (603) 6184 1000   🖨 (603) 6186 4040

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✉ zulazmi@unikl.edu.my   📞 (603) 6184 1000 ext:184   📱 (6012) 323 0024

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JPT/BPP (R2/523/6/0169) 06/26, MQA/FA11143

BACHELOR OF ELECTRONIC ENGINEERING TECHNOLOGY WITH HONOURS

OVERVIEW

Electronics Engineering is one of the largest and fastest growing industries. It covers a wide range of applications we use daily and which make our life easier and enjoyable such as television, radio, computers, telecommunication etc. They help us to see, hear and communicate over vast distances and industries like oil, energy, agriculture and so many other important sectors of the economy. In steel, petroleum and chemical industries it is the electronic devices that direct, control and test production processes. Health care industry depends on electronic instruments to perform chemical tests and to check body functions. The safety in transportation, factories and mines and in homes rely heavily on electronics. The uses are endless.

The students in this programme will learn how to find new solutions to the practical problems affecting our daily lives. They will learn how to work in a team with other specialists to design, fabricate, produce, test and supervise the manufacture of complex products and systems i.e electronic equipment and components for a number of industries including hospitals, computer industry, electronic data processing systems for communication and in defense etc. They will expose to the production and manufacturing processes and will learn how to oversee installation and maintenance. Electronic Engineers work with devices that use extremely small amounts of power. They work with microprocessors, fibre optics and in telecommunication, television, radio etc.

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 workaround learning schedule is the main reason many professionals choose to enter UniKL's FlexiLearn 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.

APEL
Accreditation of Prior Experiential Learning

APEL (Accreditation of Prior Experiential Learning) is a systematic process which involves the IDENTIFICATION, DOCUMENTATION, and ASSESSMENT of prior experience related to a study programme.

APEL is a systematic process that 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 CERTIFICATES

- GREEN Card CIDB

ENTRY REQUIREMENT

- **Pass A-Level** with minimum Grade D in Mathematics and ONE (1) relevant science subject.
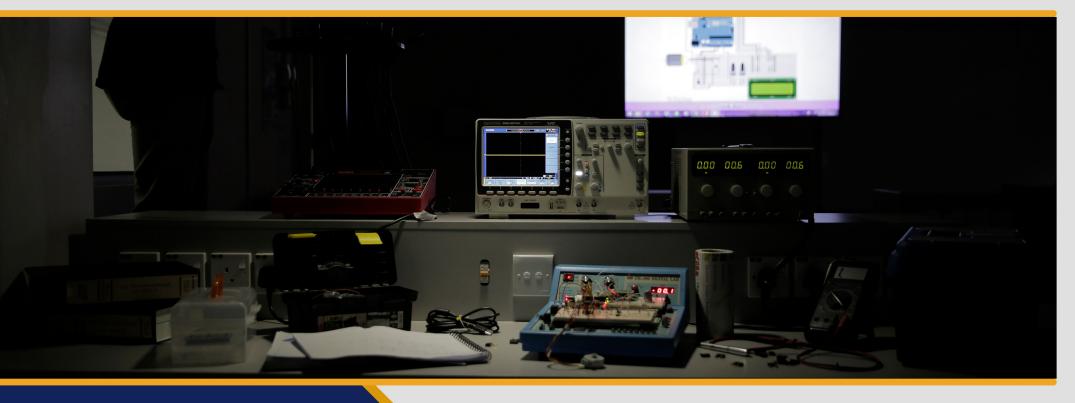 OR
- **Pass Matriculation** with minimum CGPA 2.0 with minimum Grade C (CGPA 2.0) in Mathematics and ONE (1) relevant science subject.
  OR
- **STAM with minimum Jayyid minimum Grade C (CGPA 2.0)** in Mathematics and ONE (1) relevant science subject or equivalent.
  OR
- **Pass in International Baccalaureate (IB)** with at least 24 points.
  OR
- **Pass Higher National Diploma (HND) UK (MQF Level 4)** in related area and recognized by government of Malaysia and according to approval by UniKL Senate.
  OR
- **Pass Diploma Kemahiran Malaysia (DKM) / Diploma Lanjutan Kemahiran Malaysia (DLKM) / Diploma Vokasional Malaysia (DVM)** with a minimum CGPA of 2.50 subject to the approval of the Senate / Academic Board of the relevant institution;
  OR
- **Pass the DKM / DLKM / DVM** with a minimum CGPA of 2.00 AND have at least two (2) years of work experience in the related field.

PROGRAMME STRUCTURE

SEMESTER 1
- Fundamental English
- Professional English 1
- Engineering Mathematics 1
- Tamadun Islam & Tamadun Asia (TITAS)
- Bahasa Melayu Komunikasi 2
- Programming for Engineers
- Electrical and Electronics Workshop

SEMESTER 2
- Engineering Mechanics
- Introduction to Electric Circuit
- Introduction to Electronics
- Engineering Mathematics 2
- Hubungan Etnik
- Pengajian Malaysia 3
- Introduction to Digital Electronics

SEMESTER 3
- Engineering Mathematics 3
- Digital Electronics
- Electronics Devices and Circuits
- Electrical Circuit Theorem
- Essential Management Principles
- Mandarin 1

SEMESTER 4
- Network Analysis
- Electronics Amplifier Circuits
- Introduction to Microprocessor
- FPGA Principles and Applications
- Engineering Mathematics 4
- Mandarin 2

SEMESTER 5
- Professional English 2
- Semiconductor Technology
- Control System
- Microcontroller & Interfacing
- Isu-isu Kotemporari Muslim di Malaysia
- Culture & Lifestyle in Malaysia
- Printed Circuit Design and Engineering Drawing

SEMESTER 6
- Final Year Project 1
- Signals and Systems
- Industrial Safety and Health
- Communication Systems
- Introduction to Measurement and Instrumentation
- Elective subject 1

SEMESTER 7
- Final Year Project 2
- System Engineering
- Innovation Management
- Elective subject 2
- Co-Curriculum 2

SEMESTER 8
- Industrial Training

***Electives ***
- Robotic and Intelligent System
- Measurement and Instrumentation Systems
- Image Processing
- Satellite Communications
- Artificial Intelligence
- Optoelectronic Devices
- VLSI Design and Testing
- ARM Cortex-M Microcontroller

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