

## UniKL AWARD & RECOGNITION



## FLEXILEARN

### WEEKEND & EVENING CLASSES

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## FINANCIAL ASSISTANCE

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### MARA Loan



### HRDF Claimable



### EPF Withdrawal



### PTPTN

\* Subject to Terms & Conditions

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JPT/BPP (R2/525/6/0056) 07/26, MQA/FA11537

## BACHELOR OF AUTOMOTIVE ENGINEERING TECHNOLOGY (MAINTENANCE) WITH HONOURS



## OVERVIEW

Bachelor of Automotive Engineering Technology (Maintenance) with Honours at UniKL MFI prepares student for basic engineering principles and technical skills of in order to produce of automotive engineers and other automotive technology professionals who are able to engage in developing, automotive manufacturing and testing self-propelled ground vehicles and their systems. Students majoring in Automotive Engineering Technology at UniKL MFI will be exposed to hands-on laboratory experience in automotive engineering processes, mechanical testing, metallurgy, emission and dynamometer testing

## 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 workaroud 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

## 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 RECOGNITION

- Engineering Technology Accreditation Council (ETAC)

## ENTRY REQUIREMENT

- Passed Sijil Tinggi Pelajaran Malaysia (STPM) or equivalent with a minimum of at least Grade C (CGPA 2.0) in 3 subjects including Mathematics, a Science subject related and one other subjects AND pass in English at SPM or equivalent OR
  - Pass Sijil Tinggi Agama Malaysia (STAM) with at least Jayyid Level and pass English at SPM or equivalent level OR
  - Passed Diploma in Engineering / Engineering Technology (Level 4,KKM) in related field from a recognized PPT by the Malaysian Government with minimum CGPA 2.0 OR
  - Passed Diploma (Level 4, KKM) in the field of Vocational, Science or Technical/related skills and from the recognized PPT by the Malaysian Government with a minimum CGPA of 2.0 and a pass in English at SPM level or equivalent OR
  - Pass in Foundation in Science and Technology / Science / Matriculation / Preparatory Program in Science from recognized PPT by the Malaysian Government with minimum CGPA 2.0 including Mathematics and one Science subject INCLUDING a pass in English at SPM or equivalent OR
  - Pass in International Baccalaureate (IB) with at least 24/45 points including Mathematics and one Science subject OR
  - Passed Higher National Diploma (HND), UK (Level 4, KKM) in related field from recognized PPT by the Malaysian Government with a minimum CGPA of 2.0 and
  - Other qualifications recognized by the Malaysian Government
- 
- POSSESSED A MALAYSIAN UNIVERSITY ENGLISH TEST (MUET) AT LEAST OF BAND 2 OR
  - AT LEAST MINIMUM IELTS BAND 4.0 OR
  - HAVE MINIMUM SCORES FOR TOEFL AT LEAST 450 (PBT) or 135 (CBT) or 40 (IBT)

## PROGRAMME STRUCTURE

### SEMESTER 1

- Tamadun Islam & Tamadun Asia (TITAS)(L) / Bahasa Melayu Komunikasi 2
- Applied Calculus 1
- Fundamental English
- Professional English 1
- Technopreneurship

### SEMESTER 2

- Isu-Isu Kotemporari Muslim di Malaysia /Culture and Lifestyle in Malaysia
- Electrical Principles
- Material Science
- Statics and Dynamics
- Workshop Practice
- Engineering Drawing
- Co-Curriculum 2

### SEMESTER 3

- Engineering Ethics
- Applied Calculus 2 (Mechanical)
- Basic Programming
- Hubungan Etnik (L) / Malaysian Studies 3
- Petrol Engine Technology
- Vehicle Transmission 1
- Autotronics 1

### SEMESTER 4

- Statistical Data Analysis
- Professional English 2
- Occupational Safety & Health
- Vehicle Chassis 1
- Engineering Thermofluids
- Vehicle Transmission 2
- Autotronics 2

### SEMESTER 5

- French 1
- Project Management
- Automotive Management
- Vehicle Chassis 2
- Engine Management and Control Technology
- Diesel Engine Technology
- Elective 1

### SEMESTER 6

- Final Year Project 1
- French 2
- Internal Combustion Engine
- Manufacturing Process
- Vehicle Air-Conditioning & Climate Control System
- Vehicle Standard and Regulation
- Elective 2

### SEMESTER 7

- Final Year Project 2
- Innovation Management
- Vehicle Performance and Assessment
- Alternative Fuel Vehicles
- Elective 3

### SEMESTER 8

- Industrial Training

### *Elective Subjects*

- *Production Planning and Control*
- *Vehicle Collision Repair Technology*
- *Engine Performance Enhancement*
- *Vehicle Structure Design*
- *Vehicle Dynamics*
- *Vehicle Styling*

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

