FLEXILEARN
WEEKEND & EVENING CLASSES

MOHE / MQA Approved & Accredited

JPT/BPP (R2/525/6/0056) 07/26, MQA A9868

BACHELOR OF ENGINEERING TECHNOLOGY (HONS) IN AUTOMOTIVE MAINTENANCE
The Bachelor Degree of Engineering Technology in Automotive Maintenance at UniKL MFI prepares individuals to apply basic engineering principles and technical skills in support of automotive engineers and other automotive technology professionals engaged 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.

**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

Passed 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 2.00 and

Other qualifications recognized by the Malaysian Government

POSESSED 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**
- Automotive Workshop Technology
- Automobile Technology
- Electrical and Electronic Technology
- Mechanical Technology
- Industrial Technology
- Computer Applications
- Engineering Mathematics
- Computer Science
- Physics
- Chemistry
- Biology
- English

**SEMESTER 2**
- French I
- Chassis Technology I
- Transmission
- Petrol Engine Technology
- Engine Management & Control Technology I
- Mandarin I

**SEMESTER 3**
- Engineering Technology Mathematics I
- Pneumatics and Hydraulics
- Advance Autotronics
- Engineering Science I
- Workshop Admin and Management
- Diesel Engine Technology
- Metal Technology
- Computer Technology
- Engineering Mathematics
- Computer Science
- Physics
- Chemistry
- Biology
- English

**SEMESTER 4**
- French II
- Advance Transmission Technology
- Auto Air Conditioning and Climate Control System
- Chassis Technology II
- Internal Combustion Engine
- Engineering Science II
- Technopreneurship

**SEMESTER 5**
- Engineering Technology Mathematics II
- Engine Management and Control Technology II
- Collision Technology
- Introduction Business Account and Finance
- Vehicle Standard and Regulation
- Innovation Management
- Professional English II

**SEMESTER 6**
- Alternative Fuel Vehicle
- Automotive Entrepreneurship and Enterprising Development
- Operation Management
- Professional English II
- Final Year Project II
- Elective I

**SEMESTER 7**
- Statistical Data Analysis for Engineering Technology
- Students
- Tyre Technology
- Vehicle Maintenance and Assessment
- Final Year Project II
- Elective II

*credit transfer or exemption based on prior learning

**NOTE:**
- **Elective Subjects I**
  - Fleet Management
  - Engineering Ethics
  - Automotive Engineering Drawing
- **Elective Subjects II**
  - Engine Performance Enhancement
  - Noise, Vibration and Harshness
  - Automotive Materials