



UniKL
UNIVERSITI
KUALA LUMPUR

FLEXILEARN

WEEKEND & EVENING CLASSES

**MOE / MQA
Approved &
Accredited**



JPT/BPP(R2/520/6/0047) 06/23, MQAA 9064

BACHELOR OF ENGINEERING TECHNOLOGY (Hons) IN

QUALITY ENGINEERING



OVERVIEW

Engineering Technology in Quality Engineering programme offered in Malaysian Institute of Industrial Technology (MITEC) focuses on the quality and practical skill from industrial practices perspective. Quality of the programme conducted by this institution is monitored from the set of assessment which comprises of formative and summative assessment. The standard of the coursework is meeting the current industrial practices and standard.

The programme will help students learn to plan, design, conduct, and analyze experiments efficiently and effectively. It will expose the students to applications of total quality concepts and tools to improve quality, reliability, design as well as to implement, and maintain an effective quality management system in a manufacturing or service organization. The student will learn fundamental test strategies designed to identify controllable factors and their effects on quality measures as well as the foundations of robust design and its application to design, manufacturing and customer service. Emphasis will be put on documentation development, team-based improvement strategies, and international quality standards.

In conjunction with UniKL principle which is to promote the application of knowledge, this institute is equipped by high end laboratory and workshop such as Metrology Lab, Advance Metrology Lab, AutoCAD, Inspection Technology Lab which consist of Non Destructive Test (NDT) and Destructive Test (DT) Lab, Surface Structure Lab, and Industrial Engineering Workshop. These facilities are definitely will increase students skills and knowledge as well as will enhance students learning experience.



FINANCIAL ASSISTANT

HRDF Claimable
**subject to company levy contribution*

EPF WITHDRAWAL

PTPTN
**subject to PTPTN approval*

CREDIT CARD

- **RECOGNIZED BY BOARD OF ENGINEERS MALAYSIA (BEM)**
- **CHARTERED QUALITY PROFESSIONAL (CQP)**

ENTRY REQUIREMENT

Pass in STPM or its equivalent, with minimum grade C (CGPA 2.0) in Mathematics and one related Science subject;

OR
Pass in A-Level or equivalent in Mathematics and one related Science subject;

OR
Pass in Diploma (Level 4, KKM) Engineering/Engineering Technology recognize by KKM or equivalent by Malaysia Government with minimum CGPA 2.0;

OR
Pass in Diploma (Level 4, KKM) in fields of Vocational, technical, skills or related science and recognize or equivalent by Malaysia Government with minimum CGPA 2.0;

OR
Pass Foundation in Science & Technology / Foundation Science from UniKL with minimum CGPA 2.0;

OR
Pass Matriculation/Foundation in Engineering fields /Technical/Technology or science from Pemberi Pendidikan Tinggi (PPT) recognize by Malaysia Government with minimum CGPA of 2.0;

OR
Pass in International Baccalureate (IB) with at least 24/45 point in Mathematics or related science subject;

OR
Pass in Sijil Tinggi Agama (STAM) with minimum grade Jayyid and Pass in SPM or equivalent in Mathematics and one related Science subject;

OR
Pass Higher National Diploma (HND) UK (Level 4, KKM), in related field from PPT recognize by Malaysia Government with CGPA 2.0;

Other qualification approved and equivalent with the UniKL SENATE

For international student, TOFEL with 500 score or IELTS 5.0 or equivalent is required.

PROGRAMME STRUCTURE

SEMESTER 1

Fundamental English
Professional English 1
"Tamadun Islam dan Tamadun Asia(TITAS)(L) / Bahasa Melayu
Komunikasi 2 (I)"
Technopreneurship
Engineering Mathematics 1

SEMESTER 2

Fundamental Of Physics In Engineering
Industrial Chemistry
Engineering Drawing and Computer Aided Design
Metrology
Introduction To Quality Engineering

SEMESTER 3

"Hubungan Etnik (L)/
Pengajian Malaysia 3 (I)"
Engineering Science
Materials Science
Engineering Mathematics 2

SEMESTER 4

Project Management
Applied Statistics
Engineering Computer Programming
Quality Improvement Tools and Methods
Innovation Management

SEMESTER 5

"Isu-Isu Kontemporari Muslim di Malaysia (L-M) / Culture and Lifestyle in Malaysia (L-NM) & (I) "
Statistical Quality Control
Taguchi Methods
Advanced Metrology
Engineering Economy

SEMESTER 6

Co-Curriculum
Destructive and Non Destructive Testing
Quality System and Standards
Professional English 2
Introduction to Industrial Engineering

SEMESTER 7

Lean Manufacturing
Quality Audit
Design of Experiment
"Mandarin 1/
Arabic 1"
Manufacturing Processes

SEMESTER 8

Work Design and Ergonomics
Innovative and Creative Circles (ICC)
Quality, Reliability and Maintenance
"Mandarin 2/
Arabic 2"
Material Monitoring and Control Apparatus
Corrosion Engineering

SEMESTER 9

Final Year Project 1
Lean Six Sigma
Engineering Ethics
Sustainable Energy and Green Technology
Occupational Safety and Health Management System

SEMESTER 10

TQM for Operational Excellence
Final Year Project 2
Quantitative Research
Customer and Supplier in Engineering Technology

SEMESTER 11

Industrial Training

CO-CURRICULUM*

Career Guidance 2
Community Service 2
Culture 2
Rakan Masjid 2
Siswa Siswi Bomba & Penyelamat 2
Kor Siswa Siswi Pertahanan Awam Malaysia 2
Sport Management 2
Personal Financial Management 2
Askar Wataniah

***Additional Module - MPU3213 Bahasa Kebangsaan A
For local students without credit in B. Melayu (SPM) only and the credit is not included in program Total Credit to Graduate (TCG).

*credit transfer or exemption based on prior learning

UNIVERSITI KUALA LUMPUR
MALAYSIAN INSTITUTE OF INDUSTRIAL TECHNOLOGY
Jalan Persiaran Sinaran Ilmu, Bandar Seri Alam, 81750 Masai, Johor

☎ (607) 3812 400 ☎ (607) 3812 500

1) SITI NUR BAZILAH ABZILA

✉ sitinurbazilah@unikl.edu.my ☎ (607) 3812 400 (ext:2610) ☎ (6012) 393 7059

2) HJH JIMISIAH JAAFAR @ KAMIS

✉ jimisiah@unikl.edu.my ☎ (607) 381 2400 (ext:2496) ☎ (6019) 729 3993

FOLLOW US FOR MORE INFORMATION

🌐 www.unikl.edu.my 📷 [@uniklofficial](https://www.instagram.com/uniklofficial)

📘 [Universiti Kuala Lumpur - Officialpage](#)

Wholly Owned By



UniKL
UNIVERSITI
KUALA LUMPUR

