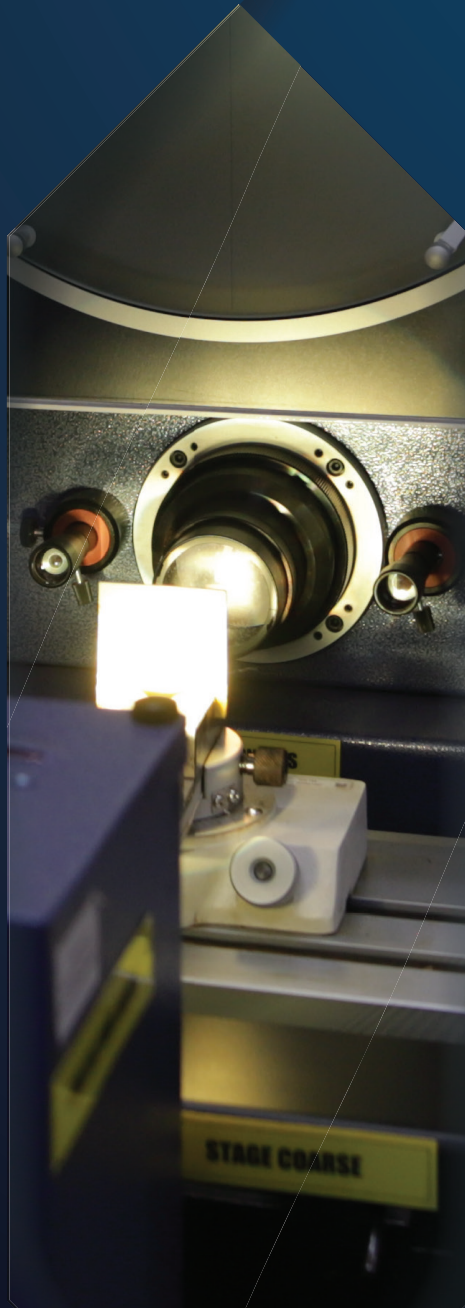




**UniKL**  
UNIVERSITI  
KUALA LUMPUR



# IMPARTING THE PASSION FOR QUALITY

UNIVERSITI KUALA LUMPUR MALAYSIAN INSTITUTE  
OF INDUSTRIAL TECHNOLOGY (UniKL-MITEC)

[www.unikl.edu.my](http://www.unikl.edu.my)

# UNIVERSITI KUALA LUMPUR KAMPUS CAWANGAN MALAYSIAN INSTITUTE OF INDUSTRIAL TECHNOLOGY (UniKL-MITEC)

Universiti Kuala Lumpur Kampus Cawangan Malaysian Institute of Industrial Technology (UniKL-MITEC) campus is located in Pasir Gudang, one of the most expanding industrial areas in Malaysia.

It is strategically situated nearby Port of Tanjung Pelepas (PTP) and Johor Port which are among the busiest ports up till today. Additionally, with the establishment of RAPID Pengerang under PETRONAS, it continues to add vital impact to all UniKL students since it provides the students with higher employment opportunities in the area.

Due to the current needs of nearby industries, the programs offered by UniKL focus on industrial logistics, quality engineering, instrumentation and control engineering, facilities maintenance engineering and petroleum engineering, all of which furnish the students with current industrial needs.

In order to provide students with added value, the programs offered in UniKL- MITEC equip students with additional professional certificates such as Chartered Institute of Logistics and Transport (CILT), Chartered Quality Institute (CQI), in which both certificates are valuable in industrial logistics as well as oil and gas industry.

Furthermore, UniKL-MITEC also offers UIUl Albab program, providing opportunities for future 'Hafiz' and 'Hafizah' to be born while completing their undergraduate studies in UniKL-MITEC.

UniKL-MITEC is equipped with complete campus lifestyle facilities such as gym, football field, futsal court, squash court and badminton court. The prayer centre is also one of the student's activity areas that is able to accommodate 1000 people for any religious activities at one time.

Besides that, UniKL-MITEC is also a modern campus equipped with multipurpose hall, labs and warehouses. More importantly, UniKL MITEC is proud to have lecture rooms fit for the 21st century learning with smart boards to enhance teaching and learning.

## PROGRAMS OFFERED

**Bachelor of Industrial Logistics (Hons)**  
JPT/BPP (R2/840/6/0035) 09/25, MQA A9067

**Bachelor of Engineering Technology (Hons) in Facilities Maintenance Engineering**  
JPT/BPP(R2/520/6/0083) 09/29, MQA/FA15197

**Bachelor of Engineering Technology (Hons) in Instrumentation And Control Engineering**  
JPT/BPP(R2/523/6/0093) 09/29, MQA/FA15086

**Bachelor of Petroleum Engineering Technology (Operation and Safety) With Honours**  
JPT/BPP(N/524/6/0087) 03/26, MQA/PA 11127

**Bachelor of Engineering Technology (Quality Engineering) With Honours**  
JPT/BPP(R3/520/6/0047) 06/30, MQA/FA11138

**Diploma of Engineering Technology in Quality Engineering**  
JPT/BPP(R3/520/4/0048) 06/28, MQA/FA13786

**Diploma in Industrial Logistics**  
JPT/BPP(R3/840/4/0036) 09/28, MQA A9066

## ENTRY REQUIREMENTS

### DIPLOMA OF ENGINEERING TECHNOLOGY IN QUALITY ENGINEERING

- Pass in SPM or its equivalent with at least credits (minimum Grade C and higher) in Mathematics and Natural Sciences or Technical Based Subjects; OR
- Pass in O-Level with minimum Grade C in three (3) subjects including Mathematics and science or technical based subjects; OR
- Accredited Certificate in Engineering, Engineering Technology, Technical or Malaysian Skills Certificate Level 3 with PT3; or its equivalent; OR
- Recognized related Technical/Vocational/Skills qualifications AND an adequate and relevant bridging program; OR
- Pass Technical/Vocational/Skills qualifications and recognized and approve by UniKL Senate
- Pass in Sijil Vokasional Malaysia (SVM) qualification been recognized by government of Malaysia and according to approval by UniKL Senate. SVM is recognized as equivalent to 3 credits SPM for candidates who obtain;
  - Academic CGPA is equal to or greater than 2.00;
  - Vocational CGPA is equal to or greater than 2.67 and competent in all vocational modules;
  - Credit in Bahasa Melayu with SVM Code 1104;
  - Pass in Sejarah for graduate cohort 2013-2016

## DIPLOMA IN INDUSTRIAL LOGISTICS

- Pass in SPM or its equivalent with at least three (3) credits; OR
- Pass in O-Level or its equivalent with at least three (3) credits; OR
- Recognized related Technical and Vocational Certificate or its equivalent with one (1) year of relevant work experience or a minimum of one (1) semester of bridging program; OR
- Pass in Sijil Kemahiran Malaysia (SKM) Level 3 and Sijil Pelajaran Malaysia (SPM) with at least one (1) credit; OR
- Pass in Sijil Vokasional Malaysia (SKM) (MQF Level 3) qualification been recognized by Jabatan Pembangunan Kemahiran (JPK), government of Malaysia and according to approval by UniKL Senate
- Pass in Sijil Vokasional Malaysia (SVM) qualification been recognized by government of Malaysia and according to approval by UniKL Senate. SVM is recognized as equivalent to 3 credits SPM for candidates who obtain;
  - Academic CGPA is equal to or greater than 2.00;
  - Vocational CGPA is equal to or greater than 2.67 and competent in all vocational modules;
  - Credit in Bahasa Melayu with SVM Code 1104;
  - Pass in Sejarah for graduate cohort 2013-2016

## BACHELOR OF ENGINEERING TECHNOLOGY PROGRAMS

- Pass in STPM/Matriculation/Foundation or its equivalent, with minimum CGPA 2.0 and at least Grade C in Mathematics and one relevant Science subject; OR
- Pass in International Baccalaureate (IB) with at least 24 points; OR
- Pass in A-Level with minimum Grade D in Mathematics one (1) relevant Science subject; OR
- Pass in Sijil Tinggi Agama Malaysia (STAM) with minimum grade of Jayyid and pass SPM or its equivalent with minimum Grade C in Mathematics and one relevant Physical Science subjects (i.e; Physic, Chemistry & etc); OR
- Recognized Diploma in Engineering/Engineering Technology or its equivalent with CGPA 2.0; OR
- Recognized related Technical/Vocational/Skills Diploma with CGPA 2.0
- Pass Diploma Kemahiran Malaysia (DKM)/ Diploma Lanjutan Kemahiran Malaysia (DLKM)/ Diploma Vokasional Malaysia (DVM) with a minimum CGPA of 2.50 and the program must get Full Accreditation (FA) by MQA or others Accreditation bodies that had been recognized by government of Malaysia and according to approval by UniKL Senate;  
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. The program must get Full Accreditation (FA) by MQA or others Accreditation bodies that had been recognized by government of Malaysia and according to approval by UniKL Senate

## BACHELOR OF INDUSTRIAL LOGISTICS (HONS)

- Pass STPM or its equivalent with at least Grade C (NGMP 2.00) in TWO (2) subjects; OR
- Pass Matriculation /Foundation in any IPTA/IPTS/permitted institution to conduct foundation programmes with CGPA 2.00; OR
- Pass Diploma in related disciplines with CGPA 2.00; OR
- Pass Advanced Diploma in related disciplines with CGPA 2.0; OR
- Pass STAM (Grade Jayyid) or its equivalent; OR
- Others recognized qualifications or its equivalent.
- Pass Diploma Kemahiran Malaysia (DKM)/ Diploma Lanjutan Kemahiran Malaysia (DLKM)/ Diploma Vokasional Malaysia (DVM) with a minimum CGPA of 2.50 and the programme must get Full Accreditation (FA) by MQA or others Accreditation bodies that had been recognized by government of Malaysia and according to approval by UniKL Senate; 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. The programme must get Full Accreditation (FA) by MQA or others Accreditation bodies that had been recognized by government of Malaysia and according to approval by UniKL Senate



## BACHELOR OF INDUSTRIAL LOGISTICS (HONS)

JPT/BPP(R2/840/6/0035) 09/25, MQA A9067

### PROGRAM CONTENTS

#### YEAR 1 - SEMESTER 1

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

#### YEAR 1 - INTER - SEMESTER

- Elements of Logistics
- Transportation Management

#### YEAR 1 - SEMESTER 2

- Hubungan Etnik (L) / Pengajian Malaysia 3 (I)
- Information Technology and Computing Concepts
- Organizational Behavioural
- Principles of Marketing
- Economics
- Managing Transport Operations

#### YEAR 1 - SEMESTER 3

- Innovation Management
- Professional English 2
- Foreign Language 1
- Applied Statistics
- Business Accounting
- Procurement and Inventory Management
- Warehouse Management

#### YEAR 3 - SEMESTER 4

- Isu-Isu Kontemporari Muslim di Malaysia(L-M) / Culture and Lifestyle in Malaysia (L-NM) & (I)
- Foreign Language 2
- Risk Management and Insurance
- Modelling and Simulation
- Customs, Excise and Forwarding
- Container Haulage
- Elective

#### YEAR 3 - SEMESTER 5

- Co curriculum
- Project Management
- Commercial Law
- Operational Research
- Managing International Logistics
- Final Year Project 1
- Elective

#### YEAR 4 - SEMESTER 6

- Human Resource Management
- Information System in Logistics
- Transportation Policy and Planning
- Elements of Shipping
- Final Year Project 2
- Elective

#### YEAR 4 - SEMESTER 7

- Industrial Training

**Additional Module (Credit not included in Total Credit to Graduate –TCG)**

- Bahasa Kebangsaan (A)

### ELECTIVE SUBJECTS

- Airfreight
- Custom Brokerage
- Supply Chain Management
- Airport Management
- Rail Transport
- Public and Active Transportation
- Seaport Management
- Marketing in Transport
- Law of Carriage
- Strategic Business Management
- Project Cargo

### CAREER PATH

- Global Supply Chain Cost/Price Analyst
- Inventory Analyst
- Materials Buyer/Planner
- Account Executive



## BACHELOR OF ENGINEERING TECHNOLOGY (QUALITY ENGINEERING) WITH HONOURS

JPT/BPP(R3/520/6/0047) 06/30, MQA/FA 11138

### PROGRAM CONTENTS

#### YEAR 1 - SEMESTER 1

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

#### YEAR 1 - SEMESTER 2

- Fundamental of Physics in Engineering
- Engineering Drawing and Computer Aided Design
- Introduction to Quality Engineering
- Industrial Chemistry
- Materials Science
- Hubungan Etnik (L)/ Pengajian Malaysia 3 (I)
- Engineering Mathematics 2

#### YEAR 2 - SEMESTER 3

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

#### YEAR 2 - SEMESTER 4

- Professional English 2
- Isu-Isu Kontemporari Muslim di Malaysia (L-M) / Culture and Lifestyle in Malaysia (L-NM) & (I)
- Advanced Metrology
- Manufacturing Processes
- Introduction to Industrial Engineering
- Quality System and Standards
- Statistical Quality Control

#### YEAR 3 - SEMESTER 5

- Foreign Language 1
- Co-Curriculum
- Engineering Economy
- Lean Manufacturing
- Destructive and Non Destructive Testing
- Quality Audit
- Design of Experiment
- Elective 1

#### YEAR 3 - SEMESTER 6

- Innovative and Creative Circles (ICC)
- Taguchi Methods
- Quality, Reliability and Maintenance
- Foreign Language 2
- Work Design and Ergonomics
- Final Year Project 1
- Elective 2

#### YEAR 4 - SEMESTER 7

- TQM for Operational Excellence
- Lean Six Sigma
- Final Year Project 2
- Engineering Ethics
- Elective 3

#### YEAR 4 - SEMESTER 8

- Industrial Training

**Additional Module (Credit not included in Total Credit to Graduate –TCG)**

- Bahasa Kebangsaan (A)

### ELECTIVE SUBJECTS

#### Elective Subjects 1

- Material Monitoring and Control Apparatus (Quality Reliability)
- Corrosion Engineering (Materials)

#### Elective Subjects 2

- Sustainable Energy and Green Technology
- Occupational Safety and Health Management System

#### Elective Subjects 2

- Quantitative Research
- Customer and Supplier in Engineering Technology

### CAREER PATH

- Quality Assurance Engineer
- Quality Engineer
- Automotive Quality Engineer
- Process Quality Engineer



## BACHELOR OF ENGINEERING TECHNOLOGY (HONS) IN INSTRUMENTATION AND CONTROL ENGINEERING

JPT/BPP(R2/523/6/0093) 09/29, MQA/FA15086

### PROGRAM CONTENTS

YEAR 1 - SEMESTER 1	YEAR 1 - SEMESTER 2	YEAR 2 - SEMESTER 3	YEAR 2 - SEMESTER 4
<ul style="list-style-type: none"> <li>Fundamental English</li> <li>Professional English 1</li> <li>Engineering Mathematics 1</li> <li>Tamadun Islam dan Tamadun Asia (TITAS)(L) / Bahasa Melayu Komunikasi 2 (I)</li> <li>Technopreneurship</li> </ul>	<ul style="list-style-type: none"> <li>Hubungan Etnik (L)/ Pengajian Malaysia 3 (I)</li> <li>Introduction to Instrumentation and Process Control</li> <li>Professional English 2</li> <li>Electrical and Electronic Devices</li> <li>Engineering Mathematics 2</li> <li>Computer Programming</li> </ul>	<ul style="list-style-type: none"> <li>Power Electronics</li> <li>Digital Systems</li> <li>Engineering Drawing and Computer Aided Design</li> <li>Innovation Management</li> <li>Physics Principle with Application</li> <li>Signal and Systems</li> </ul>	<ul style="list-style-type: none"> <li>Isu-isu Kontemporari Muslim di Malaysia (LM)/</li> <li>Culture and Lifestyle in Malaysia (LnM) &amp; (I)</li> <li>Applied Statistics</li> <li>Hydraulic and Pneumatic Control System</li> <li>Microprocessor and Microcontroller</li> <li>Automatic Control Systems</li> <li>Destructive and Non Destructive Testing</li> </ul>
YEAR 3 - SEMESTER 5	YEAR 3 - SEMESTER 6	YEAR 4 - SEMESTER 7	YEAR 4 - SEMESTER 8
<ul style="list-style-type: none"> <li>Programmable Logic Control</li> <li>Signal Conditioning and Monitoring</li> <li>Foreign Language 1</li> <li>Co-Curriculum</li> <li>Piping Engineering Mechanism and Control</li> <li>Elective 1</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Communication Systems</li> <li>Foreign Language 2</li> <li>Final Year Project 1</li> <li>Distributed Control System</li> <li>Reliability Project Engineering</li> <li>Elective 2</li> </ul>	<ul style="list-style-type: none"> <li>Occupational Safety and Health Management System</li> <li>Final Year Project 2</li> <li>Environmental Analysis Principles and Measurement</li> <li>Chemical and Bioprocess Instrumentation</li> <li>Elective 3</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Training</li> </ul>

#### Additional Module (Credit not included in Total Credit to Graduate –TCG)

- Bahasa Kebangsaan (A)

#### ELECTIVE SUBJECTS

##### Elective Subjects 1

- Artificial Intelligence
- Pattern Recognition and Classification

##### Elective Subjects 2

- Material Monitoring and Control Apparatus
- Sensor and Actuator

##### Elective Subjects 2

- Industrial Robotics
- Advanced Control Systems

#### CAREER PATH

- Test Engineer
- Assembly Engineer
- Automation Engineer
- Electrical and Instrument Engineer
- Product Engineer
- Process Engineer
- Piping Engineer

## BACHELOR OF ENGINEERING TECHNOLOGY (HONS) IN FACILITIES MAINTENANCE ENGINEERING

JPT/BPP(R2/520/6/0083) 09/29, MQA/FA15197

### PROGRAM CONTENTS

YEAR 1 - SEMESTER 1	YEAR 1 - SEMESTER 2	YEAR 2 - SEMESTER 3	YEAR 2 - SEMESTER 4
<ul style="list-style-type: none"> <li>Fundamental English</li> <li>Professional English 1*</li> <li>Engineering Mathematics 1</li> <li>Tamadun Islam dan Tamadun Asia (TITAS)(L) / Bahasa Melayu Komunikasi 2 (I)</li> <li>Technopreneurship</li> </ul>	<ul style="list-style-type: none"> <li>Hubungan Etnik (L)/ Pengajian Malaysia 3 (I)</li> <li>Organizational Behavioural</li> <li>Materials Science</li> <li>Engineering Science 1</li> <li>Introduction to Facilities Maintenance Engineering</li> <li>Basic Electrical and Electronic for Facilities Maintenance</li> <li>Static Equipments</li> </ul>	<ul style="list-style-type: none"> <li>Innovation Management</li> <li>Foreign Language 1</li> <li>Engineering Economy</li> <li>Engineering Drawing and Computer Aided Design</li> <li>Electrical System Design and Installation</li> <li>Rotating Equipment</li> <li>Industrial Chemical Handling</li> <li>Welding Technology</li> </ul>	<ul style="list-style-type: none"> <li>Isu-isu Kontemporari Muslim di Malaysia (LM)/</li> <li>Culture and Lifestyle in Malaysia (LnM) &amp; (I)</li> <li>Material Handling Equipment</li> <li>Waste and Water Treatments</li> <li>Hydraulic and Pneumatic Control System</li> <li>Heat, Ventilation and Air Conditioning (HVAC) System</li> <li>Facilities Planning and Design</li> </ul>
YEAR 3 - SEMESTER 5	YEAR 3 - SEMESTER 6	YEAR 4 - SEMESTER 7	YEAR 4 - SEMESTER 8
<ul style="list-style-type: none"> <li>Co-Curriculum</li> <li>Professional English 2</li> <li>Foreign Language 2</li> <li>Engineering Ethics</li> <li>Boiler Operation and Maintenance</li> <li>Building Maintenance</li> <li>Energy Performance and Environmental Assessment</li> <li>Elective 1</li> </ul>	<ul style="list-style-type: none"> <li>Final Year Project 1</li> <li>Standard and Certification in Facilities Maintenance</li> <li>Facilities Asset Management</li> <li>Project Management</li> <li>Maintenance Planning and Control</li> <li>Elective 2</li> </ul>	<ul style="list-style-type: none"> <li>Final Year Project 2</li> <li>Occupational Safety and Health Management System</li> <li>Computerised Maintenance Management System (CMMS)</li> <li>Capstone Project</li> <li>Elective 3</li> </ul>	<ul style="list-style-type: none"> <li>Industrial Training</li> </ul>

**Additional Module (Credit not included in Total Credit to Graduate –TCG)**

- Bahasa Kebangsaan (A)

**ELECTIVE SUBJECTS**

**Elective Subjects 1**

- Destructive and Non Destructive Testing
- Corrosion Engineering
- Applied Statistic for Technologist

**Elective Subjects 2**

- Sustainable Energy and Green Technology
- Programmable Logic Control for Maintenance
- Engineering Computer Programming

**Elective Subjects 2**

- Industrial Tribology
- Steam and Gas Turbine Maintenance
- Building Construction Technology

**CAREER PATH**

- Facilities Maintenance Engineer
- Maintenance Engineer
- M & E Engineer
- Waste & water Treatment Engineer
- Boilerman /Steam Engineer



**BACHELOR OF PETROLEUM ENGINEERING TECHNOLOGY (OPERATION AND SAFETY) WITH HONOURS**

JPT/BPP(N/524/6/0087) 03/26, MQA/PA 11127

**PROGRAM CONTENTS**

YEAR 1 - SEMESTER 1	YEAR 1 - SEMESTER 2	YEAR 2 - SEMESTER 3	YEAR 2 - SEMESTER 4
<ul style="list-style-type: none"> <li>• Engineering Mathematics 1</li> <li>• Tamadun Islam dan Tamadun Asia (TITAS)(L) / Bahasa Melayu Komunikasi 2 (I)</li> <li>• Technopreneurship</li> <li>• Fundamental English</li> <li>• Professional English 1</li> </ul>	<ul style="list-style-type: none"> <li>• Hubungan Etnik (L)/ Pengajian Malaysia 3 (I)</li> <li>• Engineering Mathematics 2</li> <li>• Introduction to Oil and Gas Industry</li> <li>• Engineering Science</li> <li>• Principle of Chemistry</li> <li>• Engineering Drawing and Computer Aided Design</li> <li>• Professional English 2</li> </ul>	<ul style="list-style-type: none"> <li>• Thermodynamics</li> <li>• Fluid Mechanics</li> <li>• Pollution Control Technology</li> <li>• Material and Energy Balance</li> <li>• Hydrocarbon Chemistry</li> <li>• Process Measurement</li> <li>• Innovation Management</li> </ul>	<ul style="list-style-type: none"> <li>• Isu-isu Kontemporari Muslim di Malaysia (LM)/ Culture and Lifestyle in Malaysia (LnM) &amp; (I)</li> <li>• Mass and Heat Transfer</li> <li>• Instrumentation and Control System</li> <li>• Principle of Separation Process</li> <li>• Petroleum Chemical Handling</li> <li>• Mechanical System</li> <li>• Foreign Language 1</li> </ul>
YEAR 3 - SEMESTER 5	YEAR 3 - SEMESTER 6	YEAR 4 - SEMESTER 7	YEAR 4 - SEMESTER 8
<ul style="list-style-type: none"> <li>• Project Management and Economics</li> <li>• Rotating Equipment Maintenance</li> <li>• Foreign Language 2</li> <li>• Gas Processing Technology</li> <li>• Petroleum Refining Technology</li> <li>• Electrical System and Networks</li> <li>• Occupational Safety and Health Management</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Control System</li> <li>• Piping Engineering</li> <li>• Fire and Gas Detection System</li> <li>• Process Technology for Petrochemical Plants</li> <li>• Final Year Project 1</li> <li>• Co-Curriculum</li> <li>• Elective</li> </ul>	<ul style="list-style-type: none"> <li>• Capstone</li> <li>• Maintenance Managements for Oil and Gas Industry</li> <li>• Process Safety Management</li> <li>• Final Year Project 2</li> <li>• Elective</li> </ul>	<ul style="list-style-type: none"> <li>• Industrial Training</li> </ul>

**Additional Module (Credit not included in Total Credit to Graduate –TCG)**

- Bahasa Kebangsaan (A)

**ELECTIVE SUBJECTS**

- Water and Wastewater Treatments
- Sustainable Energy and Green Technology
- Corrosion Engineering
- Destructive and Non Destructive Testing
- Gas Separation: Membrane Technology

**CAREER PATH**

- Plant Engineer
- Petroleum Engineer
- Process Engineer
- Operation Engineer
- Process Safety Engineer
- Calibration Engineer
- HSE Engineer
- Safety Engineer
- Safety Officer
- Authorized Gas Tester
- Piping Engineer
- Maintenance Engineer
- Quality, Health and Safety Environment Coordinator
- Health & Safety Inspector



## DIPLOMA IN INDUSTRIAL LOGISTICS

JPT/BPP (R3/840/4/0036) 09/28, MQA A9066

### PROGRAM CONTENTS

#### YEAR 1 - SEMESTER 1

- Fundamentals of Logistics
- Introduction to Information Technology
- Pengajian Malaysia 2 (L)/ Bahasa Melayu Komunikasi 1 (I)
- Competency English
- Technical Mathematics 1
- Fundamentals of Transportation

#### YEAR 1 - SEMESTER 2

- Basic Statistics
- Principles of Economics
- Principles of Management
- Communication English 1
- Foreign Language 1
- Interpersonal Skills
- Introduction to Entrepreneurship

#### YEAR 2 - SEMESTER 3

- Introduction of Project Management
- Managing Transport Operations
- Customs and Excise
- Communication English 2
- Amalan Islam di Malaysia(L-M)/ Religious Practices in Malaysia (L-NM) & (I)
- Foreign Language 2
- Technical Mathematics 2

#### YEAR 2 - SEMESTER 4

- Principles of Marketing
- Information System in Logistics
- Movement of Goods
- Introduction to Transportation Policy and Planning
- Fundamentals of Warehouse Operations
- Co-Curriculum

#### YEAR 3 - SEMESTER 5

- Elements of Purchasing and Inventory Management
- Final Year Project
- Fundamentals of International Logistics
- Introduction to Risks Management and Insurance
- Law of Contract

#### YEAR 3 - SEMESTER 6

- Industrial Training

#### Additional Module (Credit not included in Total Credit to Graduate –TCG)

- Bahasa Kebangsaan (A)

#### CAREER PATH

- Warehouse Management & Inventory
- Warehouse Supervisor
- Shipping/Traffic Supervisor
- Operations and Client Services Coordinator



## DIPLOMA OF ENGINEERING TECHNOLOGY IN QUALITY ENGINEERING

JPT/BPP(R3/520/4/0048) 06/28, MQAFAI3786

### PROGRAM CONTENTS

#### YEAR 1 - SEMESTER 1

- Introduction to Entrepreneurship
- Pengajian Malaysia 2 (L)/ Bahasa Melayu Komunikasi 1 (I)
- Competency English
- Technical Mathematics 1
- Fundamentals of Quality Engineering
- Introduction to Information Technology

#### YEAR 1 - SEMESTER 2

- Technical Mathematics 2
- Technical Drawing
- Essentials of Industrial Chemistry
- Communication English 1
- Basic Materials Science
- Fundamentals of Engineering Science
- Interpersonal Skills

#### YEAR 2 - SEMESTER 3

- Foreign Language 1
- Communication English 2
- Statistics
- Computer Aided Design
- Amalan Islam di Malaysia(L-M)/ Religious Practices in Malaysia (L-NM) & (I)
- Quality Tools
- Metrology 1

#### YEAR 2 - SEMESTER 4

- Principles of Manufacturing Processes
- Statistical Process Control
- Quality System
- Fundamentals of Industrial Engineering
- Foreign Language 2
- Metrology 2
- Fundamentals of Destructive and Nondestructive Testing
- Co-Curriculum

#### YEAR 3 - SEMESTER 5

- Production Planning and Control
- Innovative and Creative Circles (ICC)
- Introduction to Quality and Reliability Maintenance
- Total Quality Management for Technologist
- Final Year Project

#### YEAR 3 - SEMESTER 6

- Industrial Training

#### Additional Module (Credit not included in Total Credit to Graduate –TCG)

- Bahasa Kebangsaan (A)

#### CAREER PATH

- Quality Assurance Supervisor
- Automotive Quality Supervisor
- Process Quality Supervisor
- Facilities & Technical Supervisor



UNIVERSITI KUALA LUMPUR KAMPUS CAWANGAN  
MALAYSIAN INSTITUTE OF INDUSTRIAL TECHNOLOGY (UniKL-MITEC)

Persiaran Sinaran Ilmu,  
Bandar Seri Alam, 81750 Masai, Johor



+607 - 381 2400



+607-381 2500



admission.mitec@unikl.edu.my



UNIVERSITI KUALA LUMPUR  
1016, Jalan Sultan Ismail,  
50250 Kuala Lumpur



+603 - 2175 4000



+603 - 2175 4001



marketing@unikl.edu.my



www.unikl.edu.my



UniKL Page



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