

# WEEKEND & EVENING CLASSES

## BACHELOR OF ENGINEERING TECHNOLOGY (HONS.) IN MANUFACTURING SYSTEMS

### ENQUIRIES

UNIVERSITI KUALA LUMPUR  
INSTITUTE OF PRODUCT DESIGN AND MANUFACTURING  
Level G - 2nd 119 Jalan 7/91, Taman Shamelin Perkasa, 3.5 miles Cheras, 56100 Kuala Lumpur, Malaysia

☎ (603) 9179 5000    📠 (603) 9179 5001

-----  
1) NOR HUDAH BASRI  
✉ norhudah@unikl.edu.my    ☎ (603) 9179 5000    📞 (6013) 290 6343

2) KHALINA KAMARUMTHAM  
✉ khalina@unikl.edu.my    ☎ (603) 2175 4112    📞 (6016) 441 8463

FOLLOW US FOR MORE INFORMATION

🌐 [www.unikl.edu.my](http://www.unikl.edu.my)    📷 @uniklofficial

📘 Universiti Kuala Lumpur - Officialpage





# + PROFESSIONAL CERTIFICATE

## 1. ACI (American Certification Institute)

- i) Certification Quality Improvement Professional (CQIP)
- ii) Six Sigma – Yellow Belt

## JPT/BPP (R/540/6/0010) 04/18, MQA/A8783 BACHELOR OF ENGINEERING TECHNOLOGY (HONS.) IN MANUFACTURING SYSTEMS Weekend classes and Online Forum during Weekdays

### OVERVIEW

The Manufacturing Systems Engineering (MSE) programme focuses on system-approach to manufacturing and designing/planning for future requirements. It emphasizes the relationships between product design requirements, manufacturing processes and systems, taking into account human, economics and environmental factors. At the end of the programme, students of MSE are expected to apply basic knowledge and skills in mathematics, science and engineering to solve problems in manufacturing processes and systems design, plan and control, implement, analyze and improve manufacturing processes and systems with appropriate considerations to human, economics and environmental factors apply computer and automation technologies to manufacturing processes and systems acquire skills in technopreneurship, problem solving, communication, leadership and teamwork

### ENTRY REQUIREMENT

Passed Diploma in Engineering / Engineering Technology or its equivalent with a minimum CGPA of 2.0  
OR  
Diploma in relevant field recognized with a minimum CGPA of 2.0 and a pass in English at SPM level;  
OR  
Passed STPM with at least three (3) credits in a minimum of Grade C in Mathematics, one (1) Science-related and one (1) other subjects and a pass in SPM or equivalent with at least a pass in Bahasa English or equivalent;  
OR  
Pass Sijil Tinggi Agama Malaysia (STAM) level Jayyid and pass SPM with credit in Mathematics, one of Science / Technical / Vocational subject and a pass in English;  
OR  
Passed Matriculation / Foundation / Foundation of any authorized PPT offers foundation courses with a CGPA of 2.0 including Physical Sciences and Mathematics and a pass in English at SPM level or equivalent;  
OR  
Pass UniKL Foundation in Science and Technology /Foundation in Science with a minimum CGPA 2.0;  
OR  
Pass International Baccalaureate (IB) with a minimum score of 24/25 points from six (6) related subjects including Mathematics and one of Science subject;  
OR  
Other qualifications recognized by the Malaysian Government or Senate.

English Requirement:  
Local student  
Malaysian University English Test (MUET) with at least Band 2.

International student  
International English Language Testing System (IELTS) with score 5.0; OR  
Test of English as a Foreign Language (TOEFL) with score 500.

### FUNDING OPTIONS

## HRDF Claimable

*\*subject to company levy contribution*

## EPF WITHDRAWAL PTPTN

*\*subject to PTPTN approval*

## CREDIT CARD

# MODULES OFFERED

## SEMESTER 1

Tamadun Islam & Tamadun Asia (TITAS)  
Bahasa Melayu Komunikasi 2  
Technopreneurship  
Engineering Mathematics 1  
Fundamental English  
Professional English 1

## SEMESTER 3

Electrical And Electronics Fundamentals  
Industrial Automation And Robotics  
Manufacturing Technology  
Production And Operations Management  
Materials Engineering  
Mechanics Of Materials  
Mandarin 1

## SEMESTER 5

Isu-Isu Kontemporari Muslim Di Malaysia  
Culture And Lifestyle In Malaysia  
Manufacturing Optimization  
Quality Engineering  
Engineering Mechanics: Dynamics  
Innovation Management  
Professional English 2  
Elective 1

## SEMESTER 7

Co-curriculum  
Lean And Agile Manufacturing  
Maintenance And Reliability Systems  
Technologist In Society  
Final Year Project 2  
Elective 3

*\*credit transfer or exemption based on prior learning*

## SEMESTER 2

Engineering Sciences  
Engineering Mathematics 2  
Engineering Drawing  
Product Design  
Metrology And Workshop Practice  
Information Technology

## SEMESTER 4

Hubungan Etnik  
Pengajian Malaysia 3  
Engineering Economic  
CAD/CAM And CNC  
Design For Manufacture And Assembly  
Applied Statistics  
Thermofluids  
Mandarin 2

## SEMESTER 6

Six Sigma Methodology  
Production System And Simulation  
Inspection And Measurement Technology  
Project Management  
Final Year Project 1  
Elective 2

## SEMESTER 8

Industrial Training

### *Elective Subjects*

*Computer Programming  
Solid Modeling  
Surface Modeling  
Advanced Product Design  
Non-Traditional Machining  
Geometrical Dimensional And Tolerance  
Electrocoating And Deposition Processes*

