



UniKL
UNIVERSITI
KUALA LUMPUR

FLEXILEARN

WEEKEND & EVENING CLASSES



**MOHE / MQA
Approved &
Accredited**

JPT/BPP (R2/521/6/0034) 05/22, MQA A7629

BACHELOR OF ENGINEERING TECHNOLOGY (HONS) IN MACHINE TOOLS MANUFACTURING



OVERVIEW

This Bachelor programme prepares students with the knowledge in Machine Tools and Manufacturing. This field of study encompasses mainly mechanical, manufacturing and metrology. Students are prepared to perform duty as production engineer especially when dealing with machine tools.

FINANCIAL ASSISTANT

HRDF Claimable
**subject to company levy contribution*

EPF WITHDRAWAL

PTPTN
**subject to PTPTN approval*

CREDIT CARD

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 2.00 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

Engineering Drawing
Machine Tools Technology I
Statics and Dynamics
Materials Science
French I
Islamic/Moral Studies
Malaysian Studies
Co-curriculum I

SEMESTER 3

Engineering Metrology
Circuit Theory
Manufacturing Processes
Computer Assisted Design I
Programming Fundamentals
Co-curriculum II
Professional English I
Engineering Technology Mathematics II

SEMESTER 5

Quality Management
Programmable Logic Controller
Jigs & Fixtures Design
Fluid Mechanics
Computer Assisted Engineering
Technopreneurship
Mandarin II
Engineering Mechanical - Practical

SEMESTER 7

Safety Management
Machine Tools Verification & Maintenance
Advanced Manufacturing Technology
Final Year Project II
Elective II

*credit transfer or exemption based on prior learning

SEMESTER 2

Pneumatics and Hydraulics
Machine Tools Technology II
Machine Element
Engineering Technology Mathematics I
Strength of Materials
Fundamental English
Bahasa Kebangsaan A

SEMESTER 4

CNC & CAD/CAM Technology
Digital System
Mechanics of Machine
Electrical Machines
Fundamental Metallurgy
Professional English II
Mandarin I
Statistical Data Analysis for Engineering Technology Students

SEMESTER 6

Modern Machining
Machine Tools Design
Basic Thermodynamics
Innovation Management
Project Management
Final Year Project I
Elective I

SEMESTER 8

Industrial Training

NOTE :

Elective Subjects I

Robotics Fundamental
Computer Assisted Design II (CATIA)
Automation System

Elective Subjects II

Production and Operation Management
Introduction Business Account and Finance
Robotic Welding

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