



UniKL
UNIVERSITI
KUALA LUMPUR

FLEXILEARN

WEEKEND & EVENING CLASSES

**MOHE / MQA
Approved &
Accredited**



JPT/BPP(R2/521/6/0033) 05/22, MQA A7628

BACHELOR OF ENGINEERING TECHNOLOGY (HONS) IN WELDING AND QUALITY INSPECTION



OVERVIEW

This Bachelor of Engineering Technology (Hons) in Welding and Quality Inspection is the first programme of its kind in Malaysia and would probably be the first in this region. The modules/syllabus were developed by Universiti Kuala Lumpur with the cooperation of our industrial partner, SIRIM Berhad. This a four-year programme that is intended to produce future graduates or individuals with professional qualifications accepted by the industries. The programme would also emphasize in imparting up-to-date technical know-how and competencies as a Welding Engineer.



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

Pass Sijil Tinggi Agama Malaysia (STAM) with at least Jayyid Level and pass English at SPM or equivalent level

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

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

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

Pass in International Baccalaureate (IB) with at least 24/45 points including Mathematics and one Science subject

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 5.0 OR
HAVE MINIMUM SCORES FOR TOEFL AT LEAST 500

PROGRAMME STRUCTURE

SEMESTER 1

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

SEMESTER 3

Engineering Ethics
Applied Calculus 2 (Mechanical)
Basic Programming
Hubungan Etnik / Malaysian Studies 3
Strength of Materials
Manufacturing Process
Welding And Cutting Process

SEMESTER 5

French 1
Project Management
Design And Fabrication (Vessel)
Welding Metallurgy
Corrosion
DT and NDT

SEMESTER 7

Final Year Project 2
Innovation Management
Welding Procedure Construction
Fabrication and Application Engineering

SEMESTER 2

Isu-Isu Kontemporari Muslim di Malaysia / Culture and Lifestyle in Malaysia
Electrical Principles
Material Science
Statics and Dynamics
Workshop Practice
Engineering Drawing

SEMESTER 4

Statistical Data Analysis
Professional English 2
Occupational Safety & Health
Welding Practices
Fundamental Metallurgy
Welding Mechanics
Joining Technology

SEMESTER 6

Final Year Project 1
French 2
Welding Inspection and Technology
Design And Fabrication (Structure)
Welding Reclamation
Failure Analysis

SEMESTER 8

Industrial Training

NOTE :

Elective Subjects

*Advanced Welding Process
CAD Modelling and CAE
Robotic Welding
Advanced Manufacturing Technology
Finite Element Analysis in Welding
Introduction to Underwater Welding (Wet Welding)*

*credit transfer or exemption based on prior learning

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