FLEXILEARN
WEEKEND & EVENING CLASSES

MOHE / MQA Approved & Accredited

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

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

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

**SEMESTER 3**
- French 1
- Project Management
- Design And Fabrication (Vessel)
- Welding Metallurgy
- Corrosion
- NDT

**SEMESTER 4**
- Final Year Project 1
- French 2
- Welding Inspection and Technology
- Design And Fabrication (Structure)
- Welding Reclamation
- Failure Analysis

**SEMESTER 5**
- Innovation Management
- Welding Procedure Construction
- Fabrication and Application Engineering

**SEMESTER 6**
- 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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