

# FLEXILEARN

WEEKEND & EVENING CLASSES



JPT/BPP (N/521/6/0126) 12/20, MQA PA 7648

BACHELOR OF ENGINEERING TECHNOLOGY (HONS.) IN MECHANICAL

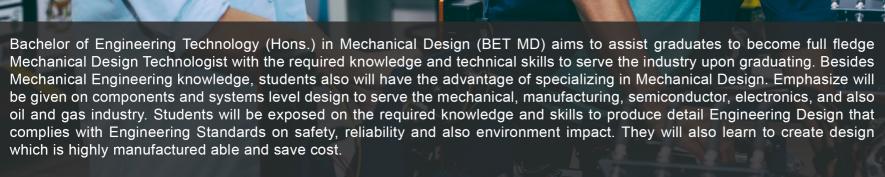












At early stage of the programme, courses are aligned to expose the students to the basic Mechanical / Manufacturing knowledge. In the middle of the programme students will learn Specialized Design Courses which are relevant to the industry. At the end of the programme student will use their design knowledge to create complex design that will be reflected in their Final Year Projects.

# **FINANCIAL ASSISTANT**

**OVERVIEW** 

**HRDF Claimable** 

\*subject to company levy contribution

**WITHDRAWAL** 

\*subject to PTPTN approval

**CREDIT** CARD

### + PROFESSIONAL CERTIFICATES **TRIZ Level 1 and Solidwork Certification**

# **ENTRY REQUIREMENT**

Passed Sijil Tinggi Pelajaran Malaysia (STPM) or equivalent with at least Grade C (CGPA 2.0) in Mathematics and one Science subject

Passed Diploma or Higher National Diploma (HND) UK (Level 4 KKM) in Engineering / Engineering Technology related or equivalent with a minimum **CGPA of 2.00** 

OR

Passed Diploma (Level 4 KKM) in the field of vocational and technical / skill associated with at least a CGPA of 2.00

Graduated UniKL Foundation in Science and Technology / Matriculation / Foundation with at least a CGPA of 2.00

OR

Passed Sijil Tinggi Agama Malaysia (STAM) or equivalent with a minimum grade of Jayvid and passed SPM or equivalent with at least a credit in Mathematics and one Science subject

Graduated International Baccalaureate (IB) with at least 24/45 marks including Mathematics and one Science subject related.

## **PROGRAMME STRUCTURE**

#### **SEMESTER 1**

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

#### INTER-SEMESTER

Manufacturing Technology

#### SEMESTER 2

Hubungan Etnik / Pengajian Malaysia 3 Innovation Managemen Engineering Drawing Strength of Materials Electrical & Electronics Laboratories Flectric Circuit Analysis Workshop Technology

#### **SEMESTER 3**

rari Muslim di Malaysia / Culture and Lifestyle in Malaysia Computer Aided Design & Modeling Fundamentals of Materials Science Thermal Science

#### **SEMESTER 4**

Co-Curriculum\*\* Fluid Mechanics Engineering Design Process Design for Plastics & Elastomer Finite Element Application Engineering Materials Computer Programming

#### SEMESTER 5

Professional English 2 Vibration and Noise CAD/CAM Rapid Prototyping Machine Component Design Pneumatic & Hydraulic Systems Design for Sheet Metal Forming

#### SEMESTER 6

Mandarin 1 / Spanish 1 Machine & Mechanism Design Elective 1 Industrial Safety & Health Applied Statistics Final Year Project 1

#### SEMESTER 7

Mandarin 2 / Spanish 2 Professional Engineering Practice and Ethics Quality Engineering Final Year Project 2

#### SEMESTER 8

#### ADDITIONAL MODULE

Bahasa Kebangsaan A

#### **ELECTIVES**

Applied Computational Fluid Dynamics Heat Exchanger Design Introduction to Oil and Gas Industry CNC Technology Automotive Design Engineering Automotive Structure Applied Control Systems Object Oriented Programming Microcontroller and Interfacing

#### CO-CURRICULUM\*

Community Service 2 Rakan Masiid 2 Siswa-siswi Bomba & Penyelamat 2 Siswa-siswi Pertahanan Awam 2 Sports Management 2 Personal Financial Manag Askar Wataniah

\*credit transfer or exemption based on prior learning

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