

Mechanical Engineering Technology (Plant) programme aims to develop understanding of the plant engineering, technology, processes and plant maintenance. Furthermore, the programme will prepare graduate with knowledge, problem solving ability and skills to enter into the respective careers in plant related industries especially in oil and gas and any plant process generally. The rapid growth of industrial technology in Malaysia and globally gives rise to the great demand for plant managers, technologists, instruments and safety engineers, researchers and academician.



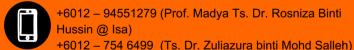
UNIVERSITI TUN HUSSEIN ON MALAYSIA

## For more enquiries



20









http://www.uthm.edu.my https://fet.uthm.edu.my/jtkm/



## Bachelor of Mechanical Engineering Technology (Plant) with Honours

Accredited by







### **Programme Outline**

The programme will provide student with a broad knowledge and in-depth understanding of the following:

- Fundamental to plant engineering
- Process thermodynamics
- Process Technology
- Process safety
- Pressure vessel
- Piping engineering
- Field instruments and control

### Programme Educational Objectives

- Graduates who will practice with strong fundamental and current knowledge in Mechanical Engineering Technology in line with industrial development specializing in plant.
- Graduates who will engage in activities related to Mechanical Engineering Technology with technical competency kept abreast with current technological development specializing in plant.
- Graduates who has the ability to participate in activities for continuous self-development and societal betterment grounded with ethical and professional standards..

### **Entry Requirements**

#### Sijil Tinggi Persekolahan Malaysia (STPM)

Pass STPM with at least grade C (NGMP 2.00) in the followings: 1) Further Mathematics AND Physics

- 2) Further Mathematics AND Chemistry/Biology (with at least grade C in Physics for SPM)

#### Matriculation (Science/Engineering/Technical)

Pass Matriculation with at least grade C (NGMP 2.00) in the followings:

- 1) Mathematics AND Physics **OR**
- 2) Mathematics AND Chemistry/Biology (with at least grade C in Physics for SPM)

#### Diploma (Engineering/Technology)

Pass Diploma with the following:

- 1) CPA/PNGK 2.50
  - OR
- 2) CPA/PNGK 2.30 with at least 2 years working experience **OR**
- Pass Diploma Kemahiran Malaysia (DKM)/ Diploma Lanjutan Kemahiran Malaysia (DLKM) in Mechanical Engineering or Technology from Institusi Latihan Awam (ILA) with minimum of CPA/PNGK of 3.00/ Grade B/ >80% marks

#### **Other requirements**

- 1) English in SPM (with at least grade E)
- 2) MUET (with at least band 2)
- Not blind/deaf/lame/paralyse which consequently result in difficulty performing laboratories



# **Career Opportunity**

Plant designer Plant constructor Safety engineer Process piping engineer Manager/Project manager Instruments engineer Maintenance engineer Production manager Marketing/sales executives Research officer (R&D) Academician



## **Programme Structure**

Bachelor of Mechanical Engineering Technology (Plant) with Honours

#### Duration: 4 years

	Year 1	Year 2	Year 3	Year 4
Sem 1	Academic	Academic	Academic	Academic
Sem 2	Academic	Academic	Academic	Industrial Training

# **University-Industry-Institution Networking**

