

# DIPLOMA IN MECHANICAL ENGINEERING

JPT/BPP (N/521/4/0148) 03/22



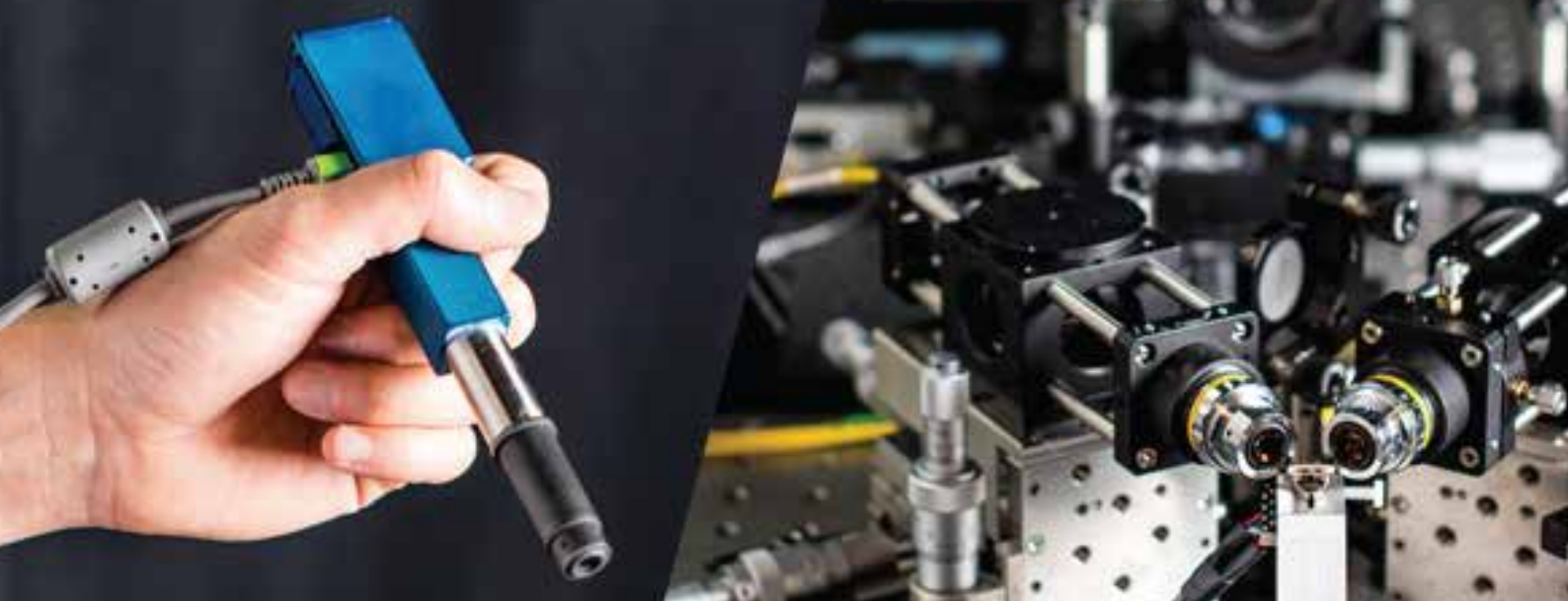
MAHSA  
UNIVERSITY

## FACULTY OF ENGINEERING AND INFORMATION TECHNOLOGY



“Engineering is the science of economy, of conserving energy, kinetic and potential, provided and stored up by nature for the use of man. It is the business of engineering to utilise this energy to the best advantage, so that there may be the least possible waste.”

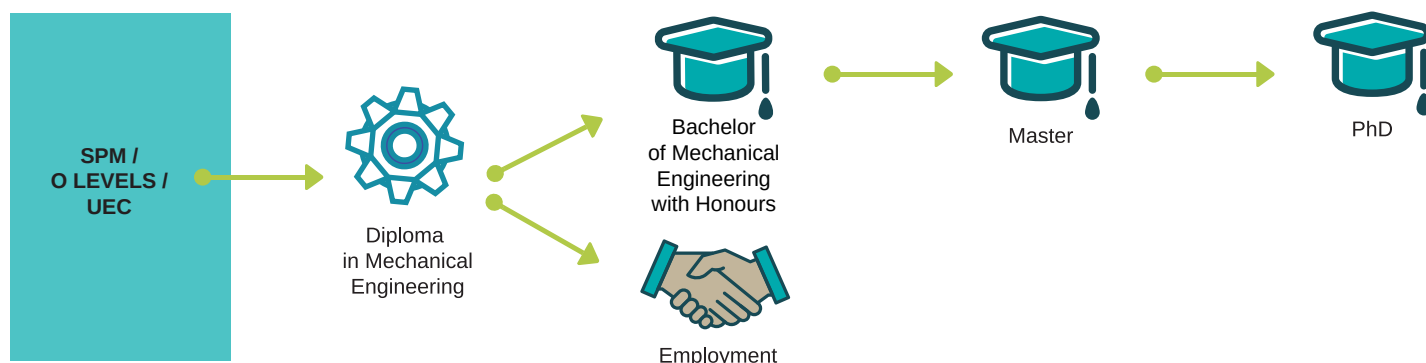
– William A Smith



The Diploma in Mechanical Engineering is a two-and-a-half-year programme and provides an opportunity for students to learn the necessary theoretical and practical skills for the mechanical and manufacturing industries. Mechanical engineering skills are highly needed as there is a shortage of technicians everywhere.

Mechanical engineering is a diverse and challenging field where students will use practical skills combined with innovative thinking to design and build mechanical devices, systems and machines.

## PROGRESSION PATHWAY



## THE ECOSYSTEM

During their time at MAHSA University, we want to provide all of our students with the opportunity to develop qualities, skills and understanding that go beyond the disciplinary expertise and prepare them for the next steps in their chosen careers.

MAHSA 360 is the ecosystem that works to ensure every single student is nurtured and supported throughout the student journey.



# PROGRAMME STRUCTURE

## YEAR 01

Chemistry  
 Communicative English  
 Computer Programming  
 Engineering Drawing  
 Mathematics 1 & 2  
 Material Science and Engineering  
 Mechanical Technology Laboratory 1  
 Physics  
 Science Laboratory  
 Statics

## YEAR 03

Engineering Health and Safety  
 Final Project  
 Management for Engineers  
 Mechanical Design 2  
 Mechanics of Machines  
 Mechanical Technology Laboratory 4  
 Project Management

## YEAR 02

Co-curricular Project  
 Computer Aided Design  
 Dynamics  
 Fluid Mechanics  
 Industrial Training  
 Mathematics 3  
 Manufacturing Technology  
 Mechanical Design 1  
 Mechanical Technology Lab 2 & 3  
 Solid Mechanics  
 Thermodynamics 1 & 2

## GENERAL MODULES

Co-Curricular Project  
 Creative and Critical Thinking  
 Time Management

**Local Students**  
 Pengajian Malaysia 2

**International Students**  
 Bahasa Melayu Komunikasi 1

# ENTRY REQUIREMENTS

## Academic Qualification

Academic Qualification	Requirements
SPM	Pass with min. three (3) credits including Mathematics, one (1) relevant Science / Technical/ Vocational subject and pass in English.
UEC	Pass with min. grade B in three (3) subjects including Mathematics, one (1) relevant Science / Technical / Vocational subject and pass in English.
O-Level	Pass with min. grade C in three (3) Subjects including Mathematics, one (1) relevant Science/Technical/ Vocational subject and pass in English.
SKMV	Pass with CGPA 2.0 and one (1) year related working experience or one (1) semester bridging programme.
CERTIFICATE	Pass Certificate in Engineering with CGPA 2.0.
Other	Recognised Malaysian qualifications or their equivalent.

## English Proficiency

IELTS	TOEFL
5.0	500

# CAREER OPPORTUNITIES

Assistant Manufacturing Quality Engineer  
 Assistant Mechanical Engineer  
 CNC Machinist  
 Junior Mechanical Engineer  
 Maintenance Technician  
 Mechanical Contractor  
 Mechanical Designer  
 Mechanical Supervisor  
 Product Designers  
 Production Technician  
 Quality Control and Assurance Inspectors  
 Service Technician  
 Technical Executive  
 Technical Sales Engineer





Library



The Habitat



Student Success Centre



Fluid Mechanics Laboratories



Lathe Machine



CNC Machine



Football Field



Manufacturing Laboratories



Residences

Contact us  
**1800 88 0300**

[marketing@mahsa.edu.my](mailto:marketing@mahsa.edu.my)  
[www.mahsa.edu.my](http://www.mahsa.edu.my)



MAHSA University



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# MAHSA UNIVERSITY

## BANDAR SAUJANA PUTRA CAMPUS

Jalan SP2, Bandar Saujana Putra, 42610 Jenjarom, Selangor, Malaysia

Hotline : +603-5102 2200

### MAHSA UNIVERSITY RECRUITMENT CENTRE (MURC):

#### MURC Penang

441-1-19, Plaza Pulau Tikus, Jalan Burma,  
10350 Georgetown, Pulau Pinang

#### MURC Klang

Tingkat 4 Plaza Blossom, No.56 & 57, Jalan Tengku Kelana,  
41000 Klang, Selangor

#### MURC Melaka

No 3-1, Jalan Komersial Takh 3, Taman Takh  
Ayer Keroh, 75450 Melaka

#### MURC Kuching

No.191, Lot 1508, Ground & 1st Floor, Wisma Tek  
93350 Kuching, Sarawak

#### MURC Kota Bharu

259 Tingkat 2 Jalan Kebun Sultan, Seksyen 8  
15300 Kota Bharu, Kelantan