

DIPLOMA IN MECHANICAL ENGINEERING

KPT/JPS(N/521/4/0148)(MQA/PA8418)03/22



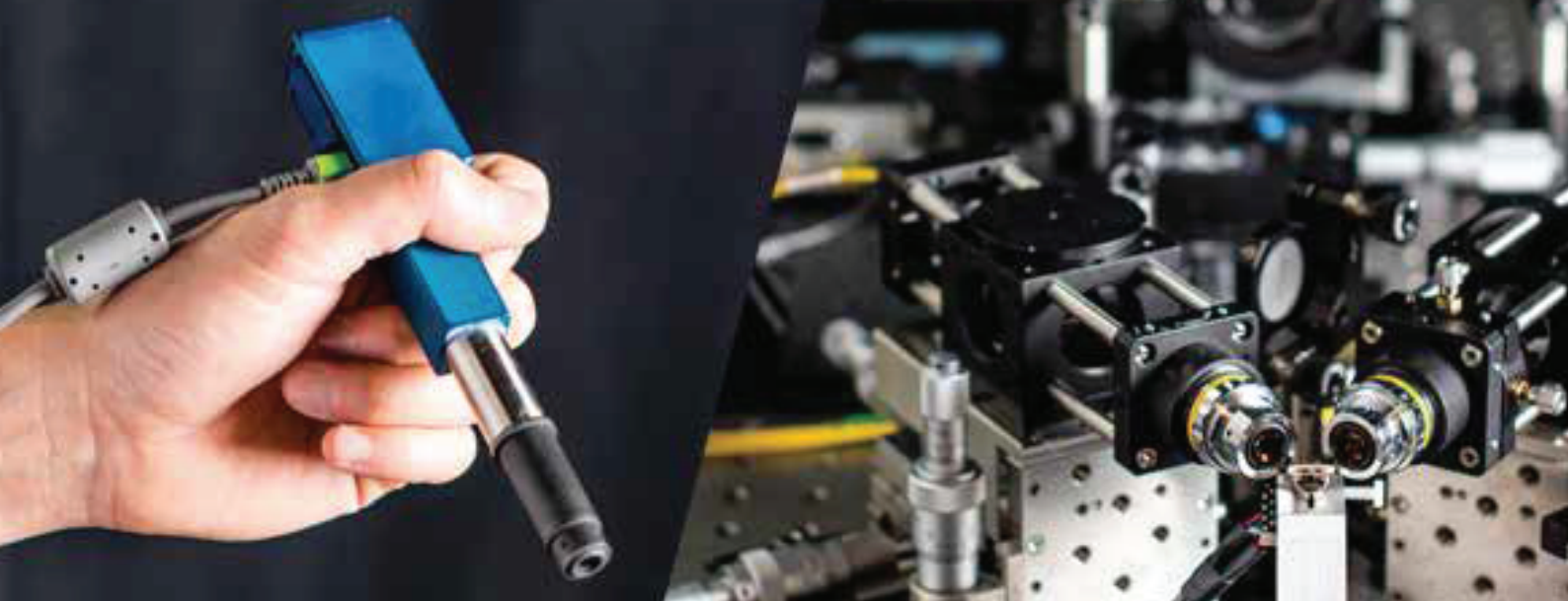
MAHSA
UNIVERSITY

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

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

Requirements

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



Football Field



Residences



Student Success Centre



Global Business Centre

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