



MANIPAL
INTERNATIONAL UNIVERSITY



DIPLOMA IN MECHANICAL ENGINEERING

(R/521/4/0085) (07/24) (MQA/FA4787)



INTRODUCTION / OVERVIEW OF THE COURSE

Mechanical Engineering is one of the oldest branches of Engineering and is often referred to as the “mother” branch of engineering. This broad and diverse field has multiple applications in many industries and remain valid amidst recent advancement in electronics and information technology. This syllabus has been tailored to meet the demand of the industry. Additionally, you will also be prepared to progress to a degree program in Mechanical Engineering.



Engineering Technology Accreditation Council (ETAC)
BEM/ETAD/20/60/ DA/02-00-163(001)
FULL ACCREDITATION (6 YEARS)

INTAKE:

MARCH 3

AUGUST 8

OCTOBER 10

MANIPAL AROUND THE WORLD

INDIA

Manipal Academy of Higher Education, Manipal, India

Manipal University Jaipur, Jaipur, India

Sikkim Manipal University, Sikkim, India

NEPAL

Manipal College of Medical Sciences, Nepal

MALAYSIA

Manipal International University, Nilai, Malaysia

Manipal University College Melaka, Malaysia

Manipal GlobalNxt University, Malaysia

UNITED STATES

American University of Antigua, Antigua

DUBAI

Manipal Academy of Higher Education, Dubai, UAE

**MANIPAL
GROUP OF
INSTITUTES**

60+
YEARS
of education
excellence

450,000+
alumni members

400,000+
students

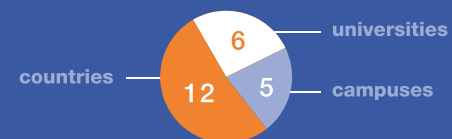


20+
disciplines

10k+
alumni faculty

75+
academic partners
worldwide

students from
59+
countries



CONTACT INFO

☎ 1800 – 222 – 648

📧 miu_malaysia

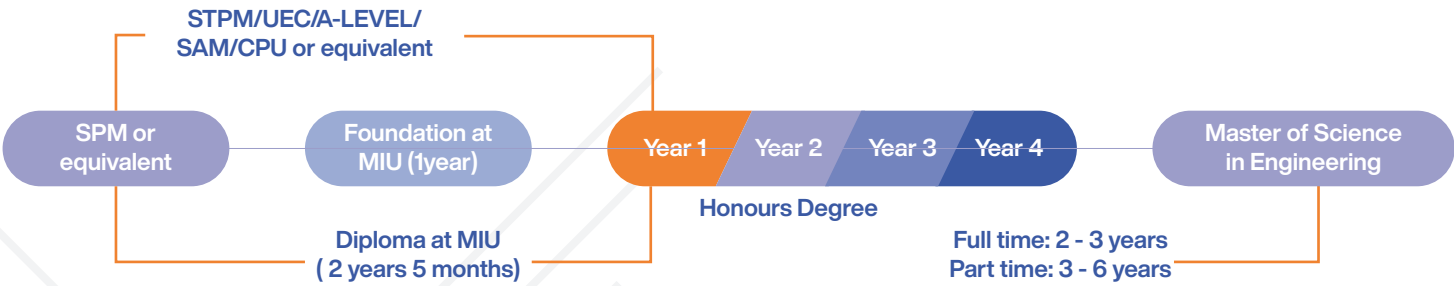
📍 No. 1, MIU Boulevard,
Putra Nilai, 71800 Nilai,
Negeri Sembilan

📘 manipalmy

🏢 Manipal International
University

INTAKE: March / August / October
DURATION: Two and a half years

MIU Pathways



SCHOLARSHIPS & FINANCIAL AIDS AVAILABLE



Facilities around the Campus



Laboratories
49 Engineering, Biotechnology, Computer Science and Mass Comm labs for hands-on experience.



Sports & Fitness
On-Campus sports facilities and various competitions keep our students healthy and strong for all challenges.



Cultural Clubs & Society
Over 15 clubs and societies allow students to exhibit their inner passions and creativity with freedom.



Academic Cognition
Multi-floor library, conducive classroom environments and lush-green campus offers peaceful and focused concentration.



Library
At MIU we have state-of-the-art library with free access to reputable e-databases such as Springer for all the students.



On Campus Hostel
MIU student hostel is 5 mins walking distance from the MIU campus. Amenities such as restaurant, banks and medical center are very close to the hostel. All rooms are airconditioned.

Course Structure / Course Outline

1
YEAR

Mathematics 1	Proficiency English 1	Physics	Chemistry	Computer Programming	Science Lab
Constitution & Community	Bahasa Melayu Komunikasi 1	Mathematics 2	Engineering Statics	Workshop Technology	Engineering Drawing
Elements of Electrical Engineering	Elements of Electrical Engineering Lab	Environmental Science	Creative & Critical Thinking 1	Co-curriculum	

2
YEAR

Thermodynamics 1	Mathematics 3	Basic Control Engineering	Computer Aided Mechanical Engineering	Engineering Material	Engineering Dynamics
Mechanics of Materials	Manufacturing Process	Project Management	Fluid Mechanics	Design of Mechanical Element	Thermodynamics 2
Fluid & Thermodynamics Lab	Machine Shop				

3
YEAR

Industrial Training	Final Year Project	Mechanical Engineering Design Project
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Career Prospects in Engineering



Laboratory Technician



Maintenance Technician



Manufacturing Technician



Assembly Technician



Draftsman



Production Supervisor