

Why Pursue Master in Mechanical Engineering at UPNM?

We are the first higher learning institution that offer Master in Mechanical Engineering program in Malaysia with defence and security element.

Prospective students will get first hand exposure from lecturers with military experience.

We have more than 20 years experience in conducting academic program, with more than 30 qualified lectures.

The programme aims at providing opportunities to various group of potential candidates such as

- Fresh graduates
- Practicing engineers
- Academicians

Entry Requirements

- A Bachelor's degree with minimum CGPA of 2.5 or equivalent, from UPNM or any recognised university by the Senate; or
- A Bachelor's degree not meeting CGPA of 2.5 or equivalent, can be accepted subject to rigorous internal assessment; or
- Other qualifications that are recognised by the Senate as equivalent to a Bachelor's degree; or
- Other qualifications recognised by the Senate that are obtained through Accreditation of Prior Experiential Learning (APEL) or Recognition of Prior Learning (RPL); and
- Other requirements as required by the programme where applicable

Contact Us

Please email / fax for us further information to:
Coordinator of Master in Mechanical Engineering (Coursework Mode)
Department of Mechanical Engineering,
Faculty of Engineering,
Kem Sungai Besi
57000 Kuala Lumpur
Tel: +603-90513400 ext 3541
Fax: +603-90513472

Email:
keansheng@upnm.edu.my
kuzarina@upnm.edu.my

Programme Structure

The structure of the Master in Mechanical Engineering programme is as follow:

10 Core Courses	32 Credit Hours
2 Elective Courses	6 Credit Hours
Research Methodology Course	2 Credit Hours
Total	40 Credit Hours

The core courses (32 credit hours) are:

- Logistic Engineering
- Applied Engineering Mathematics
- Computational Methods
- Revolution in Military Affair
- Structural Integrity
- Instrumentation, Measurement, & Control System
- Compressible Fluid Flow
- Project Proposal
- Masters' Dissertation

As part of the requirements of the programme, every student is required to complete Masters' Dissertation in their final trimester. Each student is required to nominate a supervisor who can assist and advise him/her on the case writing or completion of the dissertation.

Students completed Automotive Safety and Vehicle Fleet Safety Management electives will be awarded with a recognition certificate from MIROS.

Fees

Full Time:
Local student - RM 12,050.00
(20% Discount for UPNM Alumni, Unsponsored ATM Officers, Former ATM Members & the Disabled)
International student - RM 19,550.00

Duration of Programme:
Full-Time : 1 Year
Part-Time: 2 Years

Note:
• Fees are payable according to the payment schedule as
• All fees are subject to change



UPNM
National Defence University of Malaysia
Kewajipan • Maruah • Integriti

collaboration with
MIROS
MALAYSIAN INSTITUTE OF ROAD SAFETY RESEARCH
ASEAN ROAD SAFETY CENTRE

Faculty of
Engineering

**Master in
Mechanical
Engineering
(Coursework Mode)**
MQA/FA5814



Facility in Faculty of Engineering (Mechanical)



Where is UPNM?

The National Defence University of Malaysia (UPNM; Malay: Universiti Pertahanan Nasional Malaysia) one of Malaysian Government Universities (public universities) located in Sungai Besi Camp, Kuala Lumpur, Malaysia.



Please scan the QR code for UPNM location.

How to get to Universiti Pertahanan Nasional Malaysia (UPNM) in Sungai Besi by public transport?

rapidKL



Please scan the QR code for get directions to UPNM with public transportation.

Master of Engineering (Mechanical) offered by Faculty of Engineering is suitable for fresh graduates, practicing engineers and academicians with primary degrees in Mechanical Engineering (or equivalent) who inspires to extend in depth and breadth the knowledge and skills gain from their engineering graduate studies related to defence on security. These areas of specialization are in line with the current demands of local and global industry's pursuit.

- Mechanics Dynamic Laboratory
- Computer Numerical Control Laboratory
- Non Destructive Test Laboratory
- Energy Research Room Laboratory
- Advance Metrology/ Basic Metrology Laboratory
- Mechanical of Solid Laboratory
- Mechanical Metallurgy Laboratory
- Physical Metallurgy Laboratory
- Applied & Basic Thermodynamics Laboratory
- CAE Laboratory
- Control Laboratory
- Fluid Laboratory
- General and Training Workshop Laboratory
- Instrumentation Laboratory
- Mechanics Statics Laboratory
- Lecture Theatre

UPNM Campus Accommodation

For those who intend to apply for hostel accommodation facility in UPNM, please be informed that a new initiative to place students is carried out by UPNM Holdings Sdn Bhd. Applications for a place at the on-campus hostel is now open. Applications from prospective students will only be considered once the student has been granted admission into a study program at Universiti Pertahanan Nasional Malaysia.

Graduate students must be aware that the accommodation facility, are extremely limited in numbers and depends on availability.

Students are advised to be prepared to stay in a rented accommodation outside the campus.

Students are advised to arrange for their accommodation themselves and this must be done BEFORE arriving at UPNM.

