

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,
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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 Mathematic
- 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.

Fees

Full Time:
Local student – RM 12,000.00
International student – RM 19,500.00

Duration of Programme:
Full-Time: 1-3 Years
Part-Time: 2-6 Years

Note:

- Fees are payable according to the payment schedule as specified for subject each trimester.
- All fees are subject to change



UNIVERSITI PERTAHANAN NASIONAL MALAYSIA
KEWAJIPAN, MARUAH, INTEGRITI



Faculty of Engineering

Master in Mechanical Engineering (Coursework Mode)





Overview on UPNM

UPNM was formerly known as Akademi Tentera Malaysia (ATMA) or the Malaysian Armed Forces Academy which was established on June 1, 1995. The institution was also branded as the sole organization responsible in upgrading the knowledge and academic status of the armed forces by offering bachelor degree courses in fields of engineering, sciences and managements while not neglecting the basic requirements of military training.

In November 10, 2006, ATMA's responsibility was recognized and further given a boost when it was upgraded to university status creating the current UPNM. The establishment of the university was announced by our former Prime Minister Datuk Seri Abdullah Ahmad Badawi during the Budget 2007 reading at the Malaysian Parliament.

Universiti Pertahanan Nasional Malaysia prepares the Malaysian military and civilian leaders to better address national and international security challenges through multi-disciplinary educational programmes, research, professional exchanges and outreach. Though the university was not too long ago established, it has already chalked up over 11 years of experience in education and training since 1995 with over 1000 graduates in the fields of engineering, computer science and management. These graduates have all been successfully inducted and now suit as full officers in the Malaysian Army, Royal Malaysian Navy, Royal Malaysian Air Force, also in other Government Sectors and Non-Government Sectors.

Facility in Faculty of Engineering (Mechanical)



Master of Engineering (Mechanical) offer by Faculty of Engineering is suitable for fresh graduates, practicing engineers and academicians with primary degrees in Mechanical Engineering (or equivalent) who inspire to extend in depth and breadth the knowledge and skills gain from their engineering graduate studies related on 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
- 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 depending on availability.

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

