

MASTER OF INDUSTRIAL ENGINEERING

MQA/FA5041

Register Now

<http://ips.ump.edu.my>

Contact Us

Email Faculty : ftkpm@ump.edu.my / zairulnizam@ump.edu.my
Phone No Faculty : 09 431 5438 / +60175117844

Email IPS : ips.admission@ump.edu.my
Phone No IPS : 09 431 5024

About UMP

Established as a technical university in 2002, Universiti Malaysia Pahang (UMP) offers a variety of engineering-and technology-based technical programmes, including high-level Technical and Vocational Education and Training (TVET).

Ranked as one of the best in Research and Innovation within the classifications of Malaysia Technical University Network (MTUN) and Non-Research University (Non RU), UMP is steadfastly committed to innovating and developing unique academic programmes through strategic international collaborations. A milestone of such innovation is UMP's world class dual-degree engineering programme offered in collaboration with Germany's Karlsruhe University of Applied Sciences (HsKA) – now seen as the benchmark for other public institutions of higher learning in Malaysia. In the field of research, UMP collaborates with local industries to focus on industry-related applications. Such research collaboration enriches the teaching and learning modules at the university, while simultaneously promotes commercialization of research output and products.

Durations

1 ½ years
(18 months)

Credit Hours

40
hours

Career Path

This programme is ideal for those who wish to further develop their mastery over engineering practices and concepts and gain foundation in manufacturing business practices such as quality management, financial modelling and supply chain management. The programme aims to enhance knowledge and skills of graduated engineers to understand the application of different methods in design, development, management and operation of manufacturing and service system for industries and equips professionals with the skills they need to lead the manufacturing and production control.



Course Structure

Semester 01	<ul style="list-style-type: none"> • Research Methodology • Advanced Operation Research • Manufacturing Systems • Facility Planning and Design
Semester 02	<ul style="list-style-type: none"> • Advanced Engineering Economy • Industrial Ergonomics • Simulation of Industrial Systems • Project 1
Semester 03	<ul style="list-style-type: none"> • Industrial Safety, Health and Environment Management • Advanced Production Planning and Control • 1 Elective Course (choose either one- Sustainable Manufacturing, Reliability and Maintainability Engineering or Lean Manufacturing) • Project 2

Entry Requirement

A bachelor's degree in engineering and technology background (any fields) with minimum CGPA of 2.50 or equivalent, as accepted by the University Senate.

or

A bachelor's degree in engineering and technology background (any fields) not meeting CGPA of 2.50 can be accepted subject to a minimum of five (5) years working experience in the relevant fields.

or

Candidates without a qualification in the related fields or working experience in the relevant fields must undergo one (1) prerequisite course determined by the university with a grade of B or higher and meet the minimum CGPA based on (i) to (ii). The prerequisite course is Manufacturing System.

APEL

APEL A Certificate (APEL T-7): Malaysian citizen of at least 30 years of age and possess at least STPM / A-level / Diploma / Equivalent qualification with relevant work experience.

English Requirement

Local candidate with bachelor's degree from Malaysia Universities are considered comply with the English requirement.

International candidates- IELTS band 5.0 or TOEFL 500

Course Fee

Estimated total fees

Local	MYR 14,635
International	MYR 25,585

Location

Faculty of Manufacturing and Mechatronic Engineering Technology, Pekan Campus.

