# Why Should Enrol in This Programme?

- Collaboration with PETRONAS INSTEP.
- Get Master scroll + 5 training certificate from PETRONAS INSTEP.
- Hands-on at Upstream Downstream Training Plant at PETRONAS INSTEP.
- Weekend classes are available with flexible and various delivery modes which not limited to class room but include online classes, case study, and real problem-based learning.
- Opportunity for networking between classmates

## Contact Us


| | |
|---|---|
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In collaboration with:

INSTEP®
INSTITUT TEKNOLOGI PETROLEUM PETRONAS

UMP
اونيۏرسيتي مليسيا ڤهڠ
UNIVERSITI MALAYSIA PAHANG

# MASTER OF SCIENCE (PROCESS PLANT OPERATION)

MQA / FA 9578


Register Now

**http://ips.ump.edu.my**

VIDEO PROGRAMME

# 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.

## Programme Structure

**Semester 01**
- Logistics and Operation Management
- Project Management
- Financial Analysis
- Research Methodology
- Elective I

**Semester 02**
- Plant Integrity, Maintenance and Troubleshooting
- Chemical Process Design and Equipment
- Process and Production Control
- Process Safety Management
- Master Project I

**Semester 03**
- Master Project II
- Elective II

Credit Hours
**40** hours

**Course Structure**

Intake
**Twice** a year

## Elective Subjects

- Energy Management
- Environmental Management and Sustainability Development
- Strategic Marketing, Planning and Implementation
- Quality Control and Assurance
- Industrial Sustainability & Decision Making

## What Industrial Experts Say About Our Programme

"Supported by industry experienced instructors, the UMP MSc Process Plant Operation programme will expose learners to the entire value chain of the oil & gas industry. In addition, INSTEP state-of-the-art Upstream Downstream Training Plant accelerates learners' competency development through experiential learning to prepare competent workforce in plant Operations & Maintenance"

**Idris Ibrahim**
Chief Executive Officer, PETRONAS Technical Training Sdn. Bhd. (PTTSB)

**Durations:**
Full Time: 1 year to 3 years
Part Time: 2 years to 6 years

## Course Fee

Estimated total fees

| | |
|---|---|
| Local Student | MYR 28,835 |
| International Student | MYR 43,985 |

*MYR-Ringgit Malaysia
*Hostel/ Accommodation fees are not included

## Location

Faculty of Chemical and Process Engineering Technology
Universiti Malaysia Pahang
Lebuh Persiaran Tun Khalil Yaakob
26300, Kuantan
Pahang, Malaysia

## Entry Requirement

- A Bachelor degree with honours (minimum CPA 2.50) in the relevant area from recognised or equivalent professional qualifications that are recognised by the university;

  OR

- A Bachelor degree or equivalent not meeting CPA 2.50 can be accepted subject to a minimum of five (5) years working experience in the relevant fields.

**English Requirement**

- Students must have IELTS Band 5.0 or TOEFL 500. The certification should not be more than 2 years from the date test taken and registration of candidature. Exception English requirement is not needed for international students with Bachelor and Masters' degrees from Malaysia universities.

**Accreditation of Prior Experiential Learning (APEL)**

- APEL A: Working experience portfolio and pass aptitude test to enter Master programmes.
- Minimum age requirements: aged 30 and above for Master's Degree.