

MASTER OF SCIENCE IN MINING WITH MINERAL TECHNOLOGY

MQA/FA9579

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What Industrial Experts Say About Our Programme



"This M.Sc in Mining with Mineral Technology programme offered by UMP is the only course work mining-related postgraduate programme in Malaysia. It is an excellent programme which provides participants with knowledge and information on subjects relevant to the whole mineral resource supply chain from exploration to marketing of mineral products. This broad range industry-oriented coverage is useful for those who seek to know more about the mineral resource industry irrespective of their academic background or work experience"

Haji Muhamad Nor Muhamad
Executive Director, Malaysian Chamber of Mines

Contact Us

Email Faculty : kkk@ump.edu.my
Phone No Faculty : 09 431 5016

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

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.



Why Should Enrol In This Programme?

The only master program by course-work for Mining with Mineral Technology in Malaysia.

Subjects taught by well experienced industrial practitioner, senior academician and senior officer from the relevant government agencies.

Weekend classes are available with flexible and various delivery modes which not limited to class room but include online classes, case study, real problem-based learning and site visit.

An industry-centric curriculum designed by senior academicians and officers from the relevant government agencies considering the stakeholders' input.

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.

Course Fee

Estimated total fees

Local Student	MYR 20,915
International Student	MYR 35,985

*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



Programme Structure

Credit Hours
40
hours

Course Structure

Intake
Twice
a year

Semester

01

- Geology and Mineral Economic
- Mining Engineering I (Mining methods and Processes)
- Excavation and Geo Mechanics
- Techniques for Mineral Analysis
- Mineral Processing
- Research Methodology

Semester

02

- Mining Engineering II (Open Pit Mine Planning and Design Project)
- Environmental Impact Assessment (EIA)
- Rehabilitation and Reclamation
- Minerals Economics and Market
- Mineral Processing Design
- Master Project I

Semester

03

- Ethics, Safety and Regulation in Mining
- Master Project II

Durations:

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

