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# MASTER OF ENGINEERING (CIVIL)

Inclusive . Global . Sustainable

FACULTY OF ENGINEERING

by coursework

FEBRUARY &  
SEPTEMBER  
Intakes



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# INTRODUCTION

Master of Engineering (Civil) programme by coursework is specifically tailored to help fresh graduates, practicing engineers and academicians gain advanced Civil Engineering knowledge. The programme offers a comprehensive course structure, which emphasises on recent engineering practices and industrial-based research projects. This programme also focusses on improving the existing civil engineering issues in Sarawak such as soil problems, traffic congestion and building construction technology.

# ADMISSION

The Master of Engineering (Civil) programme starts in September and February every year. Application is open throughout the year and can be done online via: <https://cgsweb.unimas.my/PGApplication/>

## PROGRAMME STRUCTURE

### CORE (Compulsory)

KNS 6053	Advanced Soil Mechanics
KNS 6013	Advanced Reinforced Concrete Design
KNS 6033	Advanced Surface and Groundwater Hydrology
KNS 6092	Research Methodology
KNS 6063	Transportation Planning
KNS 6102	Research Project (Part 1)
KNS 6043	Wastewater Engineering
KNS 6163	Soft Soil Engineering
KNS 6023	Advanced Concrete Technology
KNS 6083	Civil Engineering Project Management
KNS 6143	Research Project (Part 2)
KNS 6156	Research Project (Part 3)

### Elective (Choose One)

KNS6313	River Engineering
KNS6183	Traffic Engineering and Safety
KNS6XX3	Pavement Analysis and Design
KNS6XX3	Earthquake Engineering

# DURATION OF THE PROGRAMME

The Master of Engineering (Civil) is a master programme by coursework over a minimum duration of 12 months on full time to a maximum period of 24 months.

# FACILITIES AND RESOURCES

- Geotechnical Laboratory
- Heavy Structure Laboratory
- Light Structure Laboratory
- Concrete Laboratory
- Highway Engineering Laboratory
- Survey Laboratory
- Traffic Engineering Laboratory
- Hydraulics and Hydrology Laboratory
- Environmental Engineering Laboratory
- Building Services Laboratory
- Graphics Lab
- Computer Aided Design (CAD) / Computer Aided Engineering (CAE) Laboratory
- Lecture theater
- Perpustakaan Tun Abdul Rahman Ya'kub (PeTARY)

# COURSE FEES

Malaysian student **RM 16,171.00**  
International student **RM 30,571.00**

Fees include administrative, tuition and course materials for the duration of the programme. Further payment will be required if the students extend their studies.

# WHO SHOULD APPLY

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

- Fresh graduates
- Practicing engineers
- Academicians

# ENTRY REQUIREMENTS

For admission into the programme, a candidate must meet the following criteria:

- A Bachelor's Degree with a minimum CGPA of 2.50 or;
- A Bachelor's degree or equivalent but CGPA less than 2.50 may be accepted subject to a minimum of five years working experience in the relevant field or,
- Other equivalent qualifications approved by Senate
- For international students, an IELTS score of 5.0 is required in addition to the entry requirements.

# PROGRAMME SCHEDULE

The Programme requires students to accumulate 40 credit hours of their studies in which preferably 16 and 15 credit hours are completed in Semester 1 and Semester 2 respectively and 9 credit hours to complete the thesis in the intersession semester. Teaching and learning activities for the programme are conducted on weekends.