



# UTM

UNIVERSITI TEKNOLOGI MALAYSIA

# MASTER IN TRANSPORTATION ENGINEERING

## OBJECTIVE

The objective of Master in Transportation Engineering programme is to enhance students in-depth understanding of the advancements in transportation systems, geometric design, highway materials, pavement design, construction, and maintenance. The course is also designed to provide skills for continuing studies and research in the respective areas.

## ADMISSION REQUIREMENTS

Candidates should hold a good honours bachelor degree in Civil Engineering from Universiti Teknologi Malaysia or equivalent (CGPA 2.5 and above). A lower degree grade with sufficient working experience may also be considered for admission.

## ELECTIVE COURSES

7 COURSES (6 CREDITS) \*Choose any two

- Public Transport System
- Airport Planning and Design
- Transport and Environmental Planning
- Transport Safety
- Disaster Management for Transportation Network
- Pavement Management System
- GIS For Civil Engineers

## FREE ELECTIVE COURSE

1 COURSE (3 CREDITS) \*Choose one from the above elective course or any course offered by other programme

## MASTER PROJECT

2 COURSES (10 CREDITS)

- Masters Project 1
- Masters Project 2

## CREDIT REQUIREMENTS

A student must complete 40 credit hours for Graduation

## CORE COURSE

All core course are compulsory (Total : 18 credits)

## DURATION OF STUDY

3 - 8 semester

## MODE OF STUDY

Option 1: Blended Learning (70% online and 30% face-to-face)

\*Weekend class

Option 2: Open Distance Learning (ODL) \*Coming soon

## FURTHER INFORMATION



Ts. Dr. Mohd Khairul Idham Mohd Satar (+6012-7352035)

Ts. Dr. Mohd Khairul Afzan Mohd Lazi (+6010-4515 903)

## COURSE GROUPING

### CORE COURSES

6 COURSES (18 CREDITS)

- Research Methodology
- Highway & Infrastructure Design
- Advanced Road Material
- Transport Planning
- Pavement Design and Construction
- Traffic Management & Analysis

### UNIVERSITY GENERAL COURSES

1 COURSE (3 CREDITS) \*Choose one only

- Introduction to Technopreneurship
- Dynamics of Leadership
- Malaysian Society & Culture
- IT Project Management
- Organization Behavior & Development
- Business Ethics, Responsibility and Sustainability
- Philosophy of Science and Civilization
- Seminar on Global Development, Economic and Social Issues
- Environmental Ethics
- Bahasa Malaysia Penulisan Ilmiah
- Basic Japanese Language & Culture