



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

FACULTY OF CIVIL ENGINEERING
THE BEST CIVIL ENGINEERING PROGRAM IN MALAYSIA

MASTER OF ENGINEERING IN CONSTRUCTION MANAGEMENT

OBJECTIVE

Master of Engineering in Construction Management was established to meet the industry's need for capable managers who can handle the complexities of construction management. Additionally, this program provides a platform that encourages the mastery of skills and the integration of knowledge for students. The program structure and course content have been designed in consideration of the standard program requirements in the field of the latest technology usage by MQA, findings from industry panels, and current trends. This program is structured to meet the current needs in construction management and exposes students to broad industry perspectives while educating them to be forward-thinking. The program also equips and exposes students to technological requirements that can be applied in construction management in line with the Fourth Industrial Revolution (IR 4.0). Furthermore, the program emphasizes the appreciation of ethics and integrity in management, leadership, and good governance, which are crucial for a manager.

DURATION OF STUDY

- Minimum : 1 year (2 semesters & 1 short semester)
- Maximum: 4 years (8 semesters)

MODE OF STUDY (FULL TIME)

- UTM Johor Bahru
- UTM Kuala Lumpur (Weekend Class)
- UTM Pagoh (Weekend Class)

ADMISSION REQUIREMENTS

- Candidates should hold a Bachelor's Degree in Civil Engineering or its equivalent recognized by the University Senate; and
- Candidate should hold a Bachelor's Degree or its equivalent with a minimum CGPA of 2.50; or
- Candidate should hold a Bachelor's Degree or its equivalent with a CGPA of at least 2.00/4.00 but not achieving a CGPA of 2.50/4.00 must have five (5) years of work experience in a relevant field.

CURRICULUM STRUCTURE

Core Courses (28 Credits)

- Construction Project Management
- Construction Site Management and Safety Control
- Construction Law and Contract
- Project Planning and Scheduling
- Sustainability & Environmental Management in Construction
- Research Methodology
- Master Project 1
- Master Project 2

Elective Courses (9 Credits)

- Construction Technology
- Project Estimating and Economics
- Financial Management for Engineering Projects
- Digital Technologies for Engineers
- Building Information Modelling for Engineers
- Prevention Through Design
- Principles of Engineering Management
- Project Risk Management
- Project Procurement Management
- Design Management and Sustainability

University General Course (3 credits)

- Introduction to Technopreneurship
- IT Project Management
- Business Ethics, Responsibility, and Sustainability
- Organization Behavior & Development
- Philosophy of Science and Civilization
- Seminar on Global Development, Economic and Social Issues
- Dynamics of Leadership

FURTHER INFORMATION

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