

**MALAYSIA UNIVERSITY of
SCIENCE and TECHNOLOGY
(MUST)**

MUST was established with the assistance of
Massachusetts Institute of Technology (MIT), USA



MSc in Construction Engineering and Management

The MSc in Construction Engineering and Management is designed for professionals from backgrounds such as engineering, architecture, and business who are involved in the construction industry who wish to upgrade their knowledge and professional skills, particularly in developing a capability to conduct research at an advanced level. The programme is also suitable for recent graduates who are seeking to enhance their knowledge and skills base so as to widen and improve their career choices. Graduates of the programme will be prepared for careers in academics or various sectors of the industry such as construction management, construction operations and construction methods.

The programme will equip students with the theoretical foundations important in the construction industry. Courses on topics such as project evaluation, construction finance and project control, will provide students with a better appreciation of analytical tools important in the industry. Through coursework and research students will be taught how to meet the demands of the industry, both present and future.

The programme requires both coursework and research. The coursework consists of nine courses comprising of core courses, required and elective programme courses and elective non-programme courses. A thesis based on research on a relevant topic is also required. The programme requires a minimum of 3 semesters of full time study.

The programme courses currently available are:

- Project Evaluation
- Construction Finance
- Strategic Management in the Design and Construction Value Chain
- Innovative Project Delivery in the Public and Private Sector
- Project Management
- Project Control
- Project Technology