



UTM
UNIVERSITI TEKNOLOGI MALAYSIA

UTM Razak School of
Engineering and
Advanced Technology



Master of Science (Engineering Business Management)

The Master of Science (Engineering Business Management) is an integrated program that offers essential management and business skills as well as in technology and operations, provide opportunities for continuous education and enhancing knowledge in engineering.

The MSc (EBM) program takes an application focus so that participants can directly contribute to immediately add values to their employers, and industry in general. This program aims to prepare working professionals in the engineering and other professions in engineering or technical based organizations working for transition into senior executive positions or engineering (or other professional) management roles and to prepare for life-long learning.



International Double Masters Program (UTM AND MEIJI UNIVERSITY)

The Double Master Program with MEIJI University Japan is the first joint program between UTM Razak School of Engineering and Advanced Technology and a Japanese University. This program offers the opportunity for participants who want to pursue Double Masters in Engineering Business Management (EBM) and Master of Business Administration (MBA) simultaneously. Participants can register with the EBM program and the credits can be transferred to Meiji MBA program. UTM will award Master of Science (Engineering Business Management) and Meiji University will award an MBA. The number of admissions to the Double Masters program is subject to passing the interview and approval from Meiji University. Meiji University reserves the right to limit the number of EBM participants enrolling in its MBA program for administrative reasons.

Program Structure

The MEBM program is implemented in modular mode, whereby courses are taken sequentially instead of concurrently as in the traditional master program implementation. A total of **46** credits are required for graduation, comprising 12 taught courses of 3 credits each and a master project worth 10 credits. The duration of study is 1½ years for full-time and 2 years for part-time study. The elective modules are divided into 2 groups; Operations & Technology and Business & Management. Students must take at least three modules from the Operations and Technology Electives. Master Project consists of Master Project 1 (4 credit hours) and Master Project 2 (6 credit hours) over a period of 2 semesters.

Entry Requirements

Academic qualifications for entry into the MSc(EBM) program is based on UTM School of Graduate Studies regulation and are as follows:

For fresh graduate:

(i) A bachelor degree with honours in Engineering, Technology, Science, Management, Business or Accounting approved by UTM Senate or equivalent with CGPA 3.00 and above

OR

(ii) An applicant whose CGPA lower than 3.00 with sufficient relevant work experiences can be considered

English Language Requirement (for international student):

All international students applying to UTM must have a valid two-year old TOEFL or IELTS certificate. Students with a TOEFL score of 550 (or 79 IBT) or an

IELTS Band 5.5 will be enrolled in a faculty program without undergoing UTM English Courses.

Courses

1. CORE COURSES

A. University Courses (6 credit)

Research Methodology (Compulsory) 3

• **and Choose ONE Only from the list below**

Information and Communication Technology 3
Ethics and Society

Environmental Ethics 3

• Dynamics of Leadership 3

• Malaysian Society & Culture (Int. Students only) 3

• Organizational Behavior and Development 3

• B. Program Courses (28 credit – Compulsory ALL)

Strategic Market Planning and Implementation 3

• Strategic Management 3

• Quality Management and Techniques 3

• Financial Analysis 3

• Operations Strategy and Management 3

• Project Management 3

• Masters Project I 4

• Masters Project II 6

• 2. ELECTIVE COURSES (12 credit)

A. Operation & Technology (choose 3 or 4)

Lean Operations 3

• Supply Chain Management 3

• Logistics Management 3

• Maintenance Management 3

• Integrated Occupational Safety, Health and Environment Management 3

Technology Management 3

• Creativity and Innovation Management 3

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• Robust Product Development	3
• Decision Modeling	3
• Simulation of Systems	3
• Applied Statistical Methods	3
• Information Systems Strategy for EBM	3
• Engineering Informatics	3
• Blue Ocean Strategy	3
• Mechatronic System Design	3
• Special Topics	3

B. Business and Management Elective Modules (Not necessary or Choose 1 ONLY)

• Economic Analysis for Technology	3
• Human Resource Management	3
• International Business Environment and Operation	3
• Entrepreneurship and New Venture Creation	3
• Legal Aspects of Business	3
• Design and Accounting for Sustainability	3

TOTAL CREDIT 46

Fee The fee covers tuition, teaching materials and meals during class session.
The fee does not include accommodation, travel and other expenses

Full Time/ Part-time

	Local	International
• MEBM Tuition fee	RM 22,000.00	RM 32,000.00
• MEBM + MBA Tuition fee	RM 32,000.00	RM 42,000.00
• Registration fee	RM 300.00	RM 300.00
• Processing fee	RM 20.00	RM 114.00



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For online application, please log on to www.sps.utm.my
Program Code: MRSEA1CKA/ BD/ HA

Program Coordinator:

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MASTER OF SCIENCE

(ENGINEERING BUSINESS MANAGEMENT)

