

Mode and Duration

Full-time: 3 – 6 semesters
Part-time: 4 – 8 semesters

Courses Offered

Courses are offered in such a way that will ensure students are exposed with basic managerial and entrepreneurial skills and at the same time will allow them to have the flexibility to enhance their profession.

Core Courses

- ◆ Technopreneurship
- ◆ Management of Risks, Contract & Legal Issues
- ◆ Engineering Project Management
- ◆ Project Marketing & Consumer Management
- ◆ Strategic Management & Globalization
- ◆ Transformation Management
- ◆ Managing The Adding Value Chain & Operation
- ◆ Accounting, Finance & Engineering Economics
- ◆ Strategy and Management of Innovation
- ◆ Industrial Project I and II
- ◆ Facilities Management-Building & Structure
- ◆ Quality Management & Process Control

Estimated Total Course Fees

RM 16,623.00 (based on minimum duration of study (4 semesters) for local part-time student)

MIXED MODE DEGREE



4. EM703 – Master of Science in Mechanical Engineering

The Master of Science in Mechanical Engineering (EM703) is a mixed mode programme, whereby the assessment depends upon both the coursework and dissertation (research work). The programme provides outgoing bachelor students opportunity for specialisation in various fields at master level. It also provides a greater opportunity for engineers to enhance their knowledge for career advancement.

Entry Requirements

- A bachelor degree in Mechanical Engineering with minimum CGPA of 2.75 out of 4 (or equivalent, e.g. Electrical, Chemical, Civil, Industrial, Aerospace and Automotive Engineering) from UiTM or any other institution of higher learning recognized by UiTM; or
- A lower CGPA with working experience in the relevant field.

Mode and Duration

Full-time: 3 – 6 semesters
Part-time: 4 – 8 semesters

Courses Offered

The programme is a mixed mode programme which combines both taught course and research. The programme consists of 17 credits of taught courses and 27 hours of supervised master research project.

Core Courses

The taught courses split into four core courses and two electives. The core courses are:

- ◆ Research Methodology
- ◆ Modelling and Simulation of Engineering Systems
- ◆ Advanced Numerical Method
- ◆ Project Management

Elective Courses (choose any two)

Students can select two electives based on their preferences from the offered courses, which cover six area of specialization, i.e.

- Applied Mechanics
- Advanced Manufacturing
- Mechatronics
- Mechanical Design
- Thermo-Fluid Systems
- Bio Mechanics

Research project (dissertation)

The research project will be supervised by lecturers who are expert in their respective field and are actively involved in doing research.

Estimated Total Course Fees

RM 12,628.00 (based on minimum duration of study for local full-time student)

For lists of academic staff and available research topics, please refer to the faculty's website at <https://fkm.uitm.edu.my>.

For more information, please contact:

Dean
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Institute of Graduate Studies (online application)
<https://ipsis.uitm.edu.my>



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