4.2.9.2 Degree Requirements

To qualify for the degree of MSc (Management of Technology), a full-time or part-time candidate must successfully complete a programme of study of at least 40 MCs, which consists of the following:

(a) At least 16 MCs from the list of core modules
(b) The remaining MCs can be obtained from both the lists of core and/or elective modules, to make up a total of 40 MCs. Subject to the approval of the Programme Manager for MSc (MOT), students may be allowed to take up to 8 MCs outside the prescribed curriculum, in lieu of the required modules to complete the MSc degree.

In addition, a student must obtain a minimum CAP of 3.00 (B-) for the best modules equivalent to 40 MCs.

**Core Modules**

All the following core modules are 4 MCs each.

- MT5001           IP Management
- MT5002           Management of Industrial R&D
- MT5003           Creativity and Innovation
- MT5007/BMA5115   Management of Technological Innovation
- MT5011           Finance for Engineering & Technology Management
- MT5012           Marketing of High-Technology Products and Innovations
- IE5003           Cost Analysis and Engineering Economy
- IE5028           Systems Approach to Project Management^
- SDM5004          Systems Engineering Project Management^  

**Elective Modules**

Unless otherwise indicated, the elective modules below span different relevant areas and are 4 MCs each.

- MT5005           IP Law for Engineers and Scientists
- MT5006           Strategic & New Product Development*
- MT5008/BMA5404   Corporate Entrepreneurship
- MT5009           Analyzing Hi-Technology Opportunities
- MT5010           Technology Intelligence & IP Strategy
- MT5016           Business Models for Hi-Tech Products
- MT5017           Integrative Design Thinking Workshop
- MT5018           Managing and Organizing Open Innovation
- MT5020           Managing the Human Elements of Technology Management
- MT5021           Problem Solving Skills for Engineering Managers
- MT5900           MOT Research Project (8MCs) +
MT5901                        Management Practicum (2 MCs) +
MT5902                        Management Extended Practicum +
MT5900                        MOT Research Project (8 MCs)
MT5911                        Venture Funding
MT5912                        Frugal Innovation
MT5913                        TechLaunch – Experiential Entrepreneurship
MT5920                        Enterprise Development
MT5921                        Market Gaps – A Search for Innovation Opportunities
MT5966                        Overseas Internship Project and Attachment (12 MCs) +
MT6001                        Research in Tech & Innovation Management®
BMA5108                      New Venture Creation
IE5121                          Quality Planning and Management
IE5203                          Decision Analysis
IE5211                          New Product Management*
IE5213                          Service Innovation and Management
IE5401                          Industrial Logistics
SDM5001                        Systems Architecture
SDM5002                        Systems Engineering
SDM5003                        Knowledge Management
PP5220                        National Science & Technology Policy
PP5293                        Ruling the Net: IT and Policy Making

* # ^ Modules with the same symbol are mutually exclusive.

* Students are not allowed to take more than 8 MCs worth of project/practicum modules. Students who are on the overseas internship
  project and attachment will not be allowed to take any of the project/practicum modules.

@ Module is meant for students who are interested to do research and want to contribute to the knowledge of Technology & Innovation
  Management.

**MSc (Management of Technology) with specialisation in Innovation & Entrepreneurship**

To be eligible for the specialisation, students must successfully complete a programme of study of at least 40 MCs and achieve a minimum CAP of 3.00, which consists of the following:

6 Compulsory Core Modules
MT5001                          IP Management
MT5003                         Creativity and Innovation
MT5007/BMA5115               Management of Technological Innovation
MT5011                         Finance for Engineering & Technology Management
MT5008/BMA5404               Corporate Entrepreneurship
MT5913  TechLaunch – Experiential Entrepreneurship

**Set 1 Electives (Choose any 2)**
- MT5902  Management Extended Practicum
- MT5912  Frugal Innovation
- MT5920  Enterprise Development
- MT5921  Market Gaps – A Search for Innovation Opportunities

**Set 2 Electives (Choose any 2)**
- MT5002  Management of Industrial R&D
- MT5010  Technology Intelligence & IP Strategy
- MT5911  Venture Funding

*Note: Please note that not all modules listed are necessarily available in any one semester or year. A good GRE/GMAT score is needed to take the BMA electives from NUS Business School.*