MASTER OF SCIENCE IN MANAGEMENT OF TECHNOLOGY

Program

For the Master of Science in Management of Technology, students complete the following:

Code	Title	Credits
ACCT 6500	Accounting Information for Decision-Making [B]	3
or FNCE 5400	Principles of Finance	
or ACCT 5400	Introduction to Accounting	
MGMT 6508	Strategic Management of Technology and Innovation: The Entrepreneurial Firm [B]	3
MGMT 6584	Global Competitive Strategy [B]	3
or MGTN 6505	Introduction to Systems Engineering	
MGTN 5415	Information Systems	3
MGTN 5460	Project Management	3
MGTN 5470	Leadership in Technical Enterprise	3
MGTN 6961	Capstone I: Project Definition and Planning	3
MGTN 6962	Capstone II: Project Execution and Results	3
Select two elective courses [1]		6
Total Credits		**30**

Of particular note among the required courses is the MGTN 6961 and MGTN 6962 course sequence, which constitutes the MSMOT capstone, a team-driven effort to define and design realizable solutions to real-world technical/business projects. The capstone courses are supervised by faculty mentors.

B Indicates a course offered by the Dolan School of Business.
[1] MSMOT students may select any of the courses listed below, or any graduate courses offered by the University. Students should consult the MOT program director to discuss their specific needs.

Elective Courses

In addition to the required courses, students must complete two elective courses. MSMOT students may elect to enroll in graduate courses in *any* discipline within the University that will assist them in meeting their career objectives. Care must be taken to meet the applicable prerequisite courses. Students may, if they choose, take courses in concentration areas such as Management of Design and Manufacturing, Strategic Management of Resources, Management of Information Technology, Systems Engineering Concepts and Methods, and healthcare. Representative course electives are shown below:

Code	Title	Credits
Management of Resources		
MGMT 6540	Cross Cultural Management and Sustainable Leadership [B]	3
MGMT 6584	Global Competitive Strategy [B]	3
MGTN 5420	Design for Economy and Reliability	3
MGTN 5450	Planning, Research, and Development	3
MGTN 5465	Agile Project Management	3
MGTN 5485	Management of Intellectual Property	3
MKTG 5400	Marketing Management [B]	3
MKTG 6500	Customer Value [B]	3
MKTG 6540	Advertising Management [B]	3
Management of Information Technology		
SWEG 5301	Software Engineering Methods	3
SWEG 5357	Database Management Systems	3
SWEG 5407	Java for Programmers	3
SWEG 5427	Operating Systems and Programming	3
SWEG 5530	Introduction to Information Security	3
SWEG 6404	Network Security	3
SWEG 6448	Server Management	3
SWEG 6505	Advanced Database Concepts	3
SWEG 6508	Data Warehouse Systems	3
SWEG 6512	Web Development II with ASP.NET	3
SWEG 6518	Data Mining and Business Intelligence	3
SWEG 6530	Applications and Data Security	3
SWEG 6596	Network Routing and Switching	3
Mechanical Engineering		
MEEG 5322	Advanced Dynamics	3
MEEG 5327	Fracture Mechanics	3
MEEG 5330	Mechanics of Composite Materials	3
Systems Engineering Concepts and Methods		
MGTN 6505	Introduction to Systems Engineering	3
MGTN 6525	Principles of Quality Management	3

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Note: A maximum of five courses from the MBA curriculum in the Dolan School of Business may be applied to the MSMOT degree.