MANAGEMENT OF TECHNOLOGY (MS)

NYSED: 36190 **HEGIS:** 0599.00 **CIP:** 15.1501

Program Description

Effective use of technology, leadership, innovation practice and management and entrepreneurship increasingly determine success in business. The Department of Technology Management and Innovation is an acknowledged pioneer and leader in the New York City/tri-state region and beyond in offering courses and programs about these increasingly critical arenas. The department serves a diverse and broad range of professionals, and its faculty and students compose a vital and forward-thinking research and learning community. The department's research and educational offerings focus on a broad range of industry sectors, including financial and professional services; information technology, renewable energy and clean technology as well as non-profits and government-all constituting areas of greatest growth and opportunity in the modern economy, especially in New York City, the nation's foremost global city.

The NYU Tandon School of Engineering Master's Degree Program in Management of Technology (MOT) was created for professionals who aim to make a difference in an economy where connecting the technology and business worlds is crucial. It introduces participants to the latest thinking and best practices in technology management and innovation. For forward-thinking managers, the MOT Program is a proven and unique path to leadership, innovation, entrepreneurship, design thinking, and creativity in the 21st century.

The department offers the MOT program in two formats: Full-time / Part-time On-Campus MOT and a purely Online MOT (NYU Tandon Online). *Courses are offered predominantly in the evenings to accommodate those students who work full-time during the day.

Admissions

Admission to graduate programs in the Tandon School of Engineering requires the following minimum components:

- Résumé/CV
- Statement of Purpose
- Letters of Recommendation
- Transcripts
- Proficiency in English

The NYU Tandon Graduate Admissions website (https://engineering.nyu.edu/admissions/graduate/apply/requirements/) has additional information on school-wide admission.

Some programs may require additional components for admissions.

See the program's How to Apply (https://engineering.nyu.edu/admissions/graduate/how-apply/) for department-specific admission requirements and instructions.

Program Requirements

On-Campus

Program Structure and Curriculum

The MOT Program comprises 12 courses (see listing below) totaling 36 credits. Courses for the MOT program are held at the Brooklyn campus of NYU Tandon. Full-time students may complete this MS program in 15 calendar months by completing 3 courses per semester for 4 semesters. Part-time students may take from one to two courses per semester, completing the program in 22 to 44 calendar months. Participants who complete the MOT Program receive a Master of Science degree in Management of Technology.

For the most current information: https://engineering.nyu.edu/academics/programs/management-technology-ms (https://engineering.nyu.edu/academics/programs/management-technology-ms/)

The MOT program's series of required courses provide participants with a deep understanding of the foundations of managerial competencies needed to manage innovation in the evolving business environment. In addition, participants can choose electives from the Department of Technology Management and Innovation or from other areas at NYU Tandon that can enhance their understanding of a particular area of interest in the broadly defined arena of technology management.

Courses

The MS MOT 36-credit curriculum consists of 12 three-credit courses:

- Management Core courses (12 credits)
- Technology Management Tools (9 credits)
- Elective courses (12 credits)
- Capstone (3 credits)

Course	Title	Credits
Required Courses		
Core Business Skills		
MG-GY 6013	ORGANIZATIONAL BEHAVIOR	3
MG-GY 6023	ECONOMICS AND STRATEGY	3
MG-GY 6033	FINANCIAL ANALYSIS FOR TECH MANAGERS	3
MG-GY 7953	Global Innovation	3
Technology Management Tools		
Select three of the following:		9
MG-GY 6073	MARKETING	
MG-GY 6123	Human Resource Management	
MG-GY 6183	COMMUNICATION FOR TECH MANAGERS	
MG-GY 6193	STATISTICS FOR DATA ANALYSTS	
MG-GY 6203	DATA VISUALIZATION FOR BUSINESS INTELLIGENCE	
MG-GY 6303	OPERATIONS MANAGEMENT	
MG-GY 6463	Supply Chain Management	
MG-GY 6503	MANAGEMENT OF INFORMATION TECHNOLOGY AND INFORMATION SYSTEMS	
MG-GY 8303	HUMAN RESOURCE MANAGEMENT SYSTEMS	
CP-GY 9911	Internship for MS I	
or CP-GY 9921	Internship for MS II	
Elective Courses		

Select twelve credits of elective courses [1]		12
Capstone Experience		
MG-GY 9503	MOT Capstone Project Course	3
Total Credits		**36**

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Continue creating a self-customized curriculum by organizing electives into "*Knowledge Areas*." These informal technology-based specializations reflect the recent directional advances in the field. However, students may elect a unique focus by creating a curriculum that includes courses across the prescribed Knowledge Areas: Global Tech Strategy, Business Design, Project Management, Data Analytics, Human Capital Engineering and Analytics. Please visit the Department webpage for the most recent elective offerings in these Knowledge Areas: https://engineering.nyu.edu/academics/programs/management-technology-ms-campus (https://engineering.nyu.edu/academics/programs/management-technology-ms-campus/)

Online

Course	Title	Credits
Business and Technology Required Core Courses		
MG-GY 6013	ORGANIZATIONAL BEHAVIOR	3
MG-GY 6023	ECONOMICS AND STRATEGY	3
MG-GY 6033	FINANCIAL ANALYSIS FOR TECH MANAGERS	3
MG-GY 7953	Global Innovation	3
Technology Management Tools		
Select three of the following:		9
MG-GY 6073	MARKETING	
MG-GY 6193	STATISTICS FOR DATA ANALYSTS	
MG-GY 6203	DATA VISUALIZATION FOR BUSINESS INTELLIGENCE	
MG-GY 6303	OPERATIONS MANAGEMENT	
MG-GY 6463	Supply Chain Management	
MG-GY 6503	MANAGEMENT OF INFORMATION TECHNOLOGY AND INFORMATION SYSTEMS	
MG-GY 8213		
MG-GY 8303	HUMAN RESOURCE MANAGEMENT SYSTEMS	
MG-GY 9753	SELECTED TOPICS IN MANAGEMENT	
Electives		
Select twelve credits of electives [1]		12
Capstone Experience		
Select one of the following:		3
MG-GY 9503	MOT Capstone Project Course	
MG-GY 9703	PROJECT IN STRATEGY & INNOVATION MGMT	
MG-GY 9753	SELECTED TOPICS IN MANAGEMENT	
MG-GY 997X	MS THESIS IN TECHNOLOGY MANAGEMENT	
Total Credits		**36**

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Can take both 1.5 credits and 3 credits courses totaling up to 12 credits (including internships).

Sample Plan of Study

Course	Title	Credits
1st Semester/Term		
Core Course		3
Core Course		3
Technology Management Tools Course		3
	Credits	**9**
2nd Semester/Term		
Core Course		3
Core Course		3
Elective		3
	Credits	**9**
3rd Semester/Term		
Technology Management Tools Course		3
Technology Management Tools Course		3
Elective		3
	Credits	**9**
4th Semester/Term		
Capstone		3
Elective		3
Elective		3
	Credits	**9**
	Total Credits	**36**

Learning Outcomes

Upon successful completion of the program, graduates will:

1. Be introduced to the latest thinking and best practices in technology management and innovation.
2. Acquire the skills and preparation to be forward-thinking managers.
3. Be provided with an understanding of the connection between the world of technology and the world of business.

Policies

NYU Policies

University-wide policies can be found on the New York University Policy pages (https://bulletins.nyu.edu/nyu/policies/).

Tandon Policies

Additional academic policies can be found on the Tandon academic policy page (https://bulletins.nyu.edu/graduate/engineering/academic-policies/).