

MANAGEMENT OF TECHNOLOGY (MS)

Technology Management and Innovation Department (<https://engineering.nyu.edu/academics/departments/technology-management-and-innovation/>)

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 three formats: Full-time/Part-time On-Campus MOT, Global Opportunities, and a purely Online MOT (Digital Learning at NYU Tandon (<https://engineering.nyu.edu/academics/programs/digital-learning/>)).

The Management of Technology program offers global study opportunities for students seeking international academic and career experiences. Students can begin the Management of Technology program at NYU Shanghai (<https://engineering.nyu.edu/academics/departments/technology-management-and-innovation/global-opportunities/mot-shanghai-nyc/>) or NYU London (<https://engineering.nyu.edu/academics/departments/technology-management-and-innovation/global-opportunities/mot-london-nyc/>) and then complete their studies at the NYU Tandon campus in New York City. This multi-campus structure allows students to engage with different cultural and professional environments and explore work opportunities in multiple global locations while completing their NYU degree.

Admissions

To apply for admission to any Tandon graduate program, please contact the Office of Graduate Admissions (<https://engineering.nyu.edu/admissions/graduate/>).

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.

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.

Course	Title	Credits
Required Courses		
<i>Core Business Skills</i>		
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
<i>Technology Management Tools</i>		
Select 9 credits of the following courses:		9
MG-GY 6073	Marketing	
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	
CP-GY 9921	Internship for MS II	
Elective Courses		
Select 12 credits of elective courses. Students may take a maximum of 9 credits outside of the Management of Technology (MOT) program. This includes courses offered by other departments within Tandon or other NYU schools. All non-MOT courses must be approved by an academic advisor to ensure relevance to the degree plan. ^{1, 2}		12
Capstone Experience		
MG-GY 9503	MOT Capstone Project Course	3
Total Credits		36

¹ 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: Digital Strategies and Innovation, Business Design, Project Management,

Data Analytics, People Analytics, and Technological Innovations for Urban Systems. See Management of Technology (<https://engineering.nyu.edu/academics/programs/management-technology-ms-campus/>) for the most recent elective offerings in these Knowledge Areas.

² Courses cannot be selected from the School of Professional Studies.

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 (9 credits) of the following courses:		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	Information Security for Managers ³	
MG-GY 8303	Human Resource Management Systems	
MG-GY 8363	Fundamentals of Information Security Management ³	
Electives		
Select 12 credits of electives. ^{4,5}		12
Capstone Experience		
MG-GY 9503	MOT Capstone Project Course	3
Total Credits		36

³ Students pursuing the MOT Cybersecurity Management *Knowledge Area* will be advised to take these two courses as part of their Technology Management Tools credits.

⁴ 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 an online curriculum that includes courses across the prescribed Knowledge Areas: Cybersecurity Management, Digital Strategies and Innovation, Project Management, and People Analytics. See Online MOT Curriculum (<https://engineering.nyu.edu/academics/programs/management-technology-ms-online/>) for the most recent elective offerings in these Knowledge Areas.

⁵ Courses cannot be selected from the School of Professional Studies.

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
Technology Management Tools Course		3
Credits		9
3rd Semester/Term		
Technology Management Tools Course		3
Elective		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/>).