NJIT

Martin Tuchman School of Management
New Jersey Institute of Technology

MASTER OF SCIENCE IN MANAGEMENT (MSM)

COURSES		SEMESTER/YEAR COMPLETED	CREDITS

MODULE I: Core Courses (15 Credits)
Take all of the courses listed below

ACCT 615	Management Accounting		3
FIN 600	Corporate Finance I		3
HRM 601	Organizational Behavior		3
MIS 645 or IS 677	Information Systems Principles		3
MRKT 620	Global Marketing Management		3

MODULE II: Concentration Areas
(Choose 15 Credits from 1 area)

AREA 1 : GLOBAL PROJECT MANAGEMENT
*Note: One course must be either **ECON 610** or **EM 636**

*ECON 610	Managerial Economics		3
*EM 636	Project Management *Prerequisite: IE 492, IE 603 or equivalents*		3
EM 637	Project Control *Prerequisite: EM 636 or equivalent*		3
EM 691	Cost Estimating for Capital Projects *Prerequisite: EM 502 and EM 503*		3
IE 618	Engineering Cost & Production Economics *Prerequisite: IE 502 or equivalent*		3
IE 659	Supply Chain Engineering		3
IS 614	Command and Control Systems		3
IS 684	Business Process Innovation *Prerequisite: IS 663 or CS 673*		3

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AREA 2: WEB SYSTEMS AND MEDIA
*Note: One course must be **MRKT 645**

IS 661	User Experience Design		3
IS 664	Customer Discovery		3
IS 688	Web Mining *Prerequisite: IS 665*		3
IS 690	Web Services and Middleware *Prerequisite: IS 601*		3
***MRKT 645**	Digital Marketing Management		3
PTC 601	Advanced Professional & Technical Communication		3
PTC 605	Elements of Visual Design *Prerequisite or corequisite: PTC 601*		3
PTC 606	Advanced Information Design		3
PTC 650	eLearning Design for Mobile		3

AREA 3: BUSINESS ANALYTICS
*Note: One course must be **MGMT 630**, **MGMT 635**, **MIS 648**, or **MRKT 645**

CS 634	Data Mining		3
EM 636	Project Management *Prerequisite: IE 492, IE 603 or equivalents*		3
FIN 616	Data-Driven Financial Modeling *Prerequisite: FIN 600*		3
IS 601	Web Systems Development		3
IS 631	Enterprise Database Management *Prerequisite: IS 601*		3
IS 687	Transaction Mining and Fraud Detection *Prerequisite: IS 665*		3
IS 688	Web Mining *Prerequisite: IS 665*		3

AREA 3: BUSINESS ANALYTICS (Continued)

MATH 661	Applied Statistics *prerequisite: MATH 112*		**3**
***MGMT 630**	Decision Analysis		**3**
***MGMT 635**	Data Mining and Analysis		**3**
MGMT 650	Knowledge Management		**3**
MIS 645	Information System Principles		**3**
***MIS 648**	Decision Support Systems for Managers *Prerequisite: MIS 645 or IS 677*		**3**
***MRKT 645**	Digital Marketing Strategy		**3**

AREA 4: FINANCIAL TECHNOLOGY
*Note: One course must be **FIN 611** and 2 courses must be in **FIN 616**, **FIN 620**, AND **FIN 635***

***FIN 611**	Introduction to Topics in Financial Technology *prerequisite: Introductory programming course*		**3**
***FIN 616**	Data-Driven Financial Modeling *Prerequisite: FIN 600*		**3**
***FIN 620**	Advanced Financial Data Analytics *Prerequisite: FIN 616*		**3**
FIN 624	Corporate Finance II *Prerequisite: FIN 600*		**3**
FIN 626	Financial Investment Institutions *Prerequisite: FIN 600*		**3**
FIN 641	Derivatives Markets *Prerequisite: FIN 600*		**3**
MGMT 635	Data Mining and Analysis		**3**

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