



MASTER OF SCIENCE IN MANAGEMENT (MSM)

COURSES	SEMESTER/YEAR	CREDITS
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MODULE I: Core Courses (15 Credits)

COMPLETED

Take all of the courses listed below

ACCT615	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**

¹ ECON 610	Managerial Economics	3
¹ EM 636	Project Management <i>Prerequisite: IE 492, IE 603 or equivalents</i>	3
EM 637	Project Control <i>Prerequisite: EM 636 or equivalent</i>	3
EM 691	Cost Estimating for Capital Projects <i>Prerequisite: EM 502 and EM 503</i>	3
IE 618	Engineering Cost & Production Economics <i>Prerequisite: IE 502 or equivalent</i>	3
IE 659	Supply Chain Engineering	3
IS 614	Command and Control Systems	3
IS 684	Business Process Innovation <i>Prerequisite: IS 663 or CS 673</i>	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 <i>Prerequisite: IS 665</i>	3
IS 690	Web Services and Middleware <i>Prerequisite: IS 601</i>	3
*MRKT 645	Digital Marketing Management	3
PTC 601	Advanced Professional & Technical Communication	3
PTC 605	Elements of Visual Design <i>Prerequisite or corequisite: PTC 601</i>	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 <i>Prerequisite: IE 492, IE 603 or equivalents</i>	3
FIN 616	Data-Driven Financial Modeling <i>Prerequisite: FIN 600</i>	3
IS 601	Web Systems Development	3
IS 631	Enterprise Database Management <i>Prerequisite: IS 601</i>	3
IS 687	Transaction Mining and Fraud Detection <i>Prerequisite: IS 665</i>	3
IS 688	Web Mining <i>Prerequisite: IS 665</i>	3

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AREA 3: BUSINESS ANALYTICS (Continued)

MATH 661	Applied Statistics <i>prerequisite: MATH 112</i>	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 <i>Prerequisite: MIS 645 or IS 677</i>	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 **MGMT 735**

* FIN 611	Introduction to Topics in Financial Technology <i>prerequisite: Introductory programming course</i>	3
* FIN 616	Data-Driven Financial Modeling <i>Prerequisite: FIN 600</i>	3
* FIN 620	Advanced Financial Data Analytics <i>Prerequisite: FIN 616</i>	3
FIN 624	Corporate Finance II <i>Prerequisite: FIN 600</i>	3
FIN 626	Financial Investment Institutions <i>Prerequisite: FIN 600</i>	3
FIN 641	Derivatives Markets <i>Prerequisite: FIN 600</i>	3
MGMT 635	Data Mining and Analysis	3
* MGMT 735	Deep Learning in Business	3



BUSINESS WITH THE POWER OF TECHNOLOGY