

Master of Science in Management (MSM)

The MSM curriculum puts it all together and prepares managers who know how to use technology to meet strategic objectives; who have business smarts; and who can meet the growing demand for technology savvy leadership.

Curriculum Structure & Content

The MSM curriculum is divided into two modules: the business core and concentration area. The business core comprises one-half (15 credits) of the degree requirements with the remaining 15 credits focusing on the concentration's management knowledge component.

The Business Core: The business core provides the fundamental business knowledge needed to evaluate business models and to assume managerial positions. Coursework includes key functional areas in business: accounting, finance, marketing, information systems, leadership and organizational behavior.

Management Concentration Area: Each student selects a management area with a technical focus for in-depth study. Concentration courses are designed to complement the concepts offered in the 15 credit business core. Current concentration areas include: Business Analytics, Global Project Management, and **Financial Technology (FinTech)**.

The MSM program blends technical expertise with fundamental management knowledge.

Concentration Areas:

- Business Analytics
- Global Project Management
- Financial Technology (FinTech)

MS in Management Curriculum

The **Master of Science in Management** is a 30 credit program that prepares graduates for managerial roles in organizations. Its emphasis is on melding business fundamentals and technical knowledge within specific areas of concentration including Business Analytics, Global Project Management, and **Financial Technology (FinTech)**.

Code	Title	Credits
Core Courses		
ACCT 615	Management Accounting	3
FIN 600	Corporate Finance I	3
HRM 601	Managing Organizational Behavior in Technology-Based Organizations	3
MIS 645	Information Technology and Competitive Advantage	3
or IS 677	Information System Principles	
MRKT 632	Marketing Strategy for Technology-Based Organizations	3
Select 15 credits from one area:		15
Global Project Management ¹		
ECON 610	Managerial Economics	
EM 636	Project Management	
or MGMT 641	Global Project Management	
EM 637	Project Control	
EM 691	Cost Estimating for Capital Projects	
IE 618	Engineering Cost and Production Economics	
IE 659	Supply Chain Engineering	
IS 663	System Analysis and Design	
IS 684	Business Process Innovation	
Business Analytics ²		
DS 644	Introduction to Big Data	
EM 636	Project Management	
or MGMT 641	Global Project Management	
IS 631	Enterprise Database Management	

IS 688	Web Mining
MATH 661	Applied Statistics
MGMT 630	Decision Analysis with Quantitative Modeling
MGMT 635	Data Mining and Analysis
MGMT 650	Knowledge Management
MIS 648	Decision Support Systems for Managers
MRKT 645	Digital Marketing Strategy
MRKT 620	Global Marketing Management
Financial Technology ³	
FIN 611	Intro to Topics in Fin Tech
FIN 616	Data Driven Financial Modeling
FIN 620	Adv Financial Data Analytics
FIN 641	Derivatives Markets
FIN 624	Corporate Finance II
FIN 626	Financial Investment Institutions
MGMT 635	Data Mining and Analysis
MGMT 735	Deep Learning in Business

Total Credits
30

¹ One course must be either ECON 610 Managerial Economics or MGMT 641 Global Project Management

² One course must be MGMT 630, MGMT 635, MIS 648, or MRKT 645.

³ One course must be FIN 611 and two courses must be FIN 616, FIN 620 or MGMT 735.