

# MANAGEMENT AND SYSTEMS (MS)

Department Website (<https://www.sps.nyu.edu/homepage/academics/masters-degrees/ms-in-management-and-systems.html>)

NYSED: 90193 HEGIS: 0506.00 CIP: 11.1099

## Program Description

The Master of Science in Management and Systems degree is designed to provide students with a solid foundation of business knowledge in the core curriculum. Students are required to select a concentration to ensure depth of knowledge in a content area that will be a differentiator in the workplace. The Strategy and Leadership concentration is intended for students interested in focusing on organizational leadership competencies. The Systems Management and Database Technologies concentrations both provide students with enhanced knowledge of a specific IT domain. The Enterprise Risk Management concentration bridges both management and IT areas, with a focus on managing risk in the financial services industry. A capstone course requirement completes the program of study.

Students may complete the Master of Science in Management and Systems online, on-site, or through a combination of these formats. With courses offered during the evening and on weekends, the degree may be completed in two years of full-time study or in up to five years of part-time study. This allows maximum flexibility for both busy senior managers and executives, as well as for recent college graduates who are just beginning their careers. The program combines rigorous course work with industry case studies and simulations to provide students with a variety of valuable learning opportunities and experiences.

## Concentrations

The Master of Science in Management and Systems offers the following concentrations:

- Database Technologies (<https://www.sps.nyu.edu/homepage/academics/masters-degrees/ms-in-management-and-systems/database-technologies-concentration.html>)
- Enterprise Risk Management (<https://www.sps.nyu.edu/homepage/academics/masters-degrees/ms-in-management-and-systems/enterprise-risk-management-concentration.html>)
- Strategy and Leadership (<https://www.sps.nyu.edu/homepage/academics/masters-degrees/ms-in-management-and-systems/strategy-and-leadership-concentration.html>)
- Systems Management (<https://www.sps.nyu.edu/homepage/academics/masters-degrees/ms-in-management-and-systems/systems-management-concentration.html>)

Each area of specialty provides the distinct technical skills and business acumen to prepare you for tech jobs that require the ability to manage technology projects, systems, and teams in an efficient and cost-effective manner.

## Admissions

All applicants to the School of Professional Studies (SPS) are required to submit the general application requirements (<https://www.sps.nyu.edu/homepage/admissions/admissions-criteria-and-deadlines/general-graduate-admissions-criteria.html>), which include:

- Application Fee
- College/University Transcripts
- Résumé
- Statement of Purpose
- Degree Requirements
- Recommendations
- Kira Talent Assessment
- Degree-Specific Requirements
- English Language Assessment
- Pearson Versant English Placement Test
- International Transcript Evaluation
- International Student Visa Requirements

See degree specific application requirements (<https://www.sps.nyu.edu/homepage/admissions/admissions-criteria-and-deadlines/graduate-programs.html>) for instructions specific to this program.

## Program Requirements

The program requires the completion of 42 credits, comprised of the following:

Course	Title	Credits
<b>Core Requirements</b>		
MASY1-GC 1200	Managing in a Global Economy	3
MASY1-GC 1210	Quantitative Models for Decision-Makers	3
MASY1-GC 1220	Financial Management	3
MASY1-GC 1230	Strategic Marketing	3
MASY1-GC 1240	Information Technology & Data Analytics	3
MASY1-GC 1250	Project Management in The Information Age	3
MASY1-GC 1260	Research Process & Methodology	3
MASY1-GC 3310	Strategic Management of Technological Innovation	3
<b>Concentrations</b>		
Select four courses from one of the following concentrations:		12
Database Technologies		
Enterprise Risk Management		
Strategy and Leadership		
Systems Management		
<b>Electives</b>		
Select one of the following:		3
MASY1-GC 3255	Business Analysis in the Enterprise	
MASY1-GC 5000	Special Topics:	
MASY1-GC 3910	Internship	
<b>Capstone</b>		
Select one of the following:		3
MASY1-GC 4000	Research Project: Thesis	
MASY1-GC 4100	Applied Project	

MASY1- GC 4200	Innovation & Entrepreneurship	
<b>Total Credits</b>		<b>42</b>

## Concentrations

### Database Technologies

Course	Title	Credits
Select four of the following: 12		
MASY1- GC 3220	Information Security Management	
MASY1- GC 3500	Database Design & Management	
MASY1- GC 3505	Data Process and Structure	
MASY1- GC 3510	Data Mining and Data Warehousing	
MASY1- GC 3520	Database Applications	
MASY1- GC 3525	Advanced Database Applications	
MASY1- GC 3540	Database Technologies for Web Applications	

### Enterprise Risk Management

Course	Title	Credits
Select four of the following: 12		
MASY1- GC 3020	Enterprise Risk: Assessment & Mitigation	
MASY1- GC 3215	Information Systems Auditing	
MASY1- GC 3220	Information Security Management	
MASY1- GC 3600	Operational & Financial Risk Analysis	
MASY1- GC 3605	Financial Services & Trading Institutions	
MASY1- GC 3615	Crisis Management & Business Continuity	

### Strategy and Leadership

Course	Title	Credits
Select four of the following: 12		
MASY1- GC 3300	Technology Team Leadership	
MASY1- GC 3305	Knowledge Management	
MASY1- GC 3325	Business Strategy & Ethics	
MASY1- GC 3330	Managing Complex Change Initiatives	
MASY1- GC 3335	Strategic Communications	
MASY1- GC 3615	Crisis Management & Business Continuity	

## Systems Management

Course	Title	Credits
Select four of the following: 12		
MASY1- GC 3010		
MASY1- GC 3210	Systems Development & Analysis	
MASY1- GC 3220	Information Security Management	
MASY1- GC 3245	Application,Architecture Design, & Development	
MASY1- GC 3250	Enterprise Application Integration	
MASY1- GC 3500	Database Design & Management	
MASY1- GC 3530	Object-Oriented Systems Design	

## Sample Plan of Study Database Technologies

Course	Title	Credits
<b>1st Semester/Term</b>		
MASY1-GC 1200	Managing in a Global Economy	3
MASY1-GC 1210	Quantitative Models for Decision-Makers	3
MASY1-GC 1230	Strategic Marketing	3
MASY1-GC 1240	Information Technology & Data Analytics	3
<b>Credits</b>		<b>12</b>
<b>2nd Semester/Term</b>		
MASY1-GC 1250	Project Management in The Information Age	3
MASY1-GC 1220	Financial Management	3
Concentration Elective 1 of 4		3
Concentration Elective 2 of 4		3
<b>Credits</b>		<b>12</b>
<b>3rd Semester/Term</b>		
MASY1-GC 1260	Research Process & Methodology	3
MASY1-GC 3310	Strategic Management of Technological Innovation	3
Concentration Elective 3 of 4		3
Concentration Elective 4 of 4		3
<b>Credits</b>		<b>12</b>
<b>4th Semester/Term</b>		
Capstone		3
Elective		3
<b>Credits</b>		<b>6</b>
<b>Total Credits</b>		<b>42</b>

## Enterprise Risk Management

Course	Title	Credits
<b>1st Semester/Term</b>		
MASY1-GC 1200	Managing in a Global Economy	3
MASY1-GC 1210	Quantitative Models for Decision-Makers	3
MASY1-GC 1230	Strategic Marketing	3
MASY1-GC 1240	Information Technology & Data Analytics	3
<b>Credits</b>		<b>12</b>
<b>2nd Semester/Term</b>		
MASY1-GC 1250	Project Management in The Information Age	3
MASY1-GC 1220	Financial Management	3
Concentration Elective 1 of 4		3

Concentration Elective 2 of 4	3
<b>Credits</b>	<b>12</b>
<b>3rd Semester/Term</b>	
MASY1-GC 1260 Research Process & Methodology	3
MASY1-GC 3310 Strategic Management of Technological Innovation	3
Concentration Elective 3 of 4	3
Concentration Elective 4 of 4	3
<b>Credits</b>	<b>12</b>
<b>4th Semester/Term</b>	
Capstone	3
Elective	3
<b>Credits</b>	<b>6</b>
<b>Total Credits</b>	<b>42</b>

## Strategy and Leadership

Course	Title	Credits
<b>1st Semester/Term</b>		
MASY1-GC 1200	Managing in a Global Economy	3
MASY1-GC 1210	Quantitative Models for Decision-Makers	3
MASY1-GC 1230	Strategic Marketing	3
MASY1-GC 1240	Information Technology & Data Analytics	3
<b>Credits</b>		<b>12</b>
<b>2nd Semester/Term</b>		
MASY1-GC 1250	Project Management in The Information Age	3
MASY1-GC 1220	Financial Management	3
Concentration Elective 1 of 4		3
Concentration Elective 2 of 4		3
<b>Credits</b>		<b>12</b>
<b>3rd Semester/Term</b>		
MASY1-GC 1260	Research Process & Methodology	3
MASY1-GC 3310	Strategic Management of Technological Innovation	3
Concentration Elective 3 of 4		3
Concentration Elective 4 of 4		3
<b>Credits</b>		<b>12</b>
<b>4th Semester/Term</b>		
Capstone		3
Elective		3
<b>Credits</b>		<b>6</b>
<b>Total Credits</b>		<b>42</b>

## Systems Management

Course	Title	Credits
<b>1st Semester/Term</b>		
MASY1-GC 1200	Managing in a Global Economy	3
MASY1-GC 1210	Quantitative Models for Decision-Makers	3
MASY1-GC 1230	Strategic Marketing	3
MASY1-GC 1240	Information Technology & Data Analytics	3
<b>Credits</b>		<b>12</b>
<b>2nd Semester/Term</b>		
MASY1-GC 1250	Project Management in The Information Age	3
MASY1-GC 1220	Financial Management	3
Concentration Elective 1 of 4		3
Concentration Elective 2 of 4		3
<b>Credits</b>		<b>12</b>
<b>3rd Semester/Term</b>		
MASY1-GC 1260	Research Process & Methodology	3
MASY1-GC 3310	Strategic Management of Technological Innovation	3
Concentration Elective 3 of 4		3
Concentration Elective 4 of 4		3
<b>Credits</b>		<b>12</b>

<b>4th Semester/Term</b>	
Capstone	3
Elective	3
<b>Credits</b>	<b>6</b>
<b>Total Credits</b>	<b>42</b>

## Learning Outcomes

Upon successful completion of the program, graduates will:

1. Utilize technology to solve business problems and satisfy business needs.
2. Propose technology solutions to support the business functions of an organization.
3. Integrate economic, financial and marketing principles to lead and manage technology initiatives.
4. Apply data management, business analytics, risk management, and systems development best practices to support technology initiatives.
5. Apply project management practices to manage technology projects.
6. Create business models to support technology initiatives.

## Policies

### NYU Policies

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

### School of Professional Studies Policies

Additional academic policies can be found on the School of Professional Studies academic policy pag (<https://bulletins.nyu.edu/graduate/professional-studies/academic-policies/>)e.