

# INFORMATION SYSTEMS MANAGEMENT (STEM) (BS)

Department Website (<https://www.sps.nyu.edu/homepage/academics/bachelors-degrees/bs-in-information-systems-management.html>)

NYSED: 21838 HEGIS: 0799.00 CIP: 11.0103

## Program Description

The field of information technology is growing and evolving faster than ever before. With all of the changes occurring, new career options abound for those who are already in the tech industry, as well as those just starting out. Earning the Bachelor of Science in Information Systems Management offers the opportunity to acquire knowledge and develop skills that can be used anywhere in the world. Like many MIS degrees that are offered, this STEM-designated degree will teach you how to design, operate, and evaluate competitive technology options to meet an organization's needs. You also will delve deep into management information systems, database design, systems analysis, network architecture and administration, while acquiring the NYU degree that will make your resume stand out!

The Bachelor of Science in Information Systems Management provides students who wish to pursue or to advance their career in information systems with the expertise necessary for the successful deployment of new technologies. Courses are taught by faculty members who are practitioners, ensuring that course content remains current with industry standards. The flexibility and adaptability of this program make it well-suited for individuals who are interested in launching a career in the information systems field, as well as those who have worked in information systems for many years.

The Bachelor of Science in Information Systems Management is grounded in the liberal arts, enabling students to master the skills in critical thinking, analysis, and communication that they need to successfully address complex challenges in their work.

### New! Online Degree Completion Option

This entire degree can now be completed online. Be sure to specify when you apply.

Study On-site in the Heart of New York City, Enjoying Cultural Activities and Building Your Network.

## Admissions

New York University's Office of Undergraduate Admissions supports the application process for all undergraduate programs at NYU. For additional information about undergraduate admissions, including application requirements, see How to Apply (<https://www.nyu.edu/admissions/undergraduate-admissions/how-to-apply.html>).

## Program Requirements

The program requires the completion of 128 credits, comprised of the following:

Course	Title	Credits
<b>Writing</b>		
The following courses may be required based on a writing placement8-10 assessment, and should be successfully completed within the first three semesters:		
EXWR1-UC 7501	Introduction to Creative and Expository Writing	
EXWR1-UC 7502	Writing Workshop I	
EXWR1-UC 7503	Writing Workshop II	
<b>Critical Thinking</b>		
HUMN1-UC 6401	Critical Thinking	4
<b>Quantitative Reasoning</b>		
Students, in close consultation with their adviser, select Math I and Math II or one of the following other courses based on a math placement assessment:		4
MATH1-UC 1101 & MATH1-UC 1141	Math I and Math II	
MATH1-UC 1105	Mathematical Reasoning	
MATH1-UC 1171	Precalculus	
MATH1-UC 1174	Calculus W/Applications to Business & Economics	
<b>Scientific Issues</b>		
Select one of the following:		4
SCNC1-UC 2001	Human Biology	
SCNC1-UC 3203	Environmental Sustainability	
SCNC1-UC 3207	Stars, Planets, & Life	
SCNC1-UC 3215	Biology of Hunger & Population	
<b>Historical Perspectives</b>		
Select one of the following:		4
HIST1-UC 5804	Renaissance to Revolutn	
HIST1-UC 5820	The American Experience	
HIST1-UC 5821	Classical & Medieval World	
HIST1-UC 5822	Contemporary World	
<b>Global Perspectives</b>		
Select one of the following:		4
ANTH1-UC 5011	World Cultures: Africa	
ANTH1-UC 5012	World Cultures: Middle East	
ANTH1-UC 5013	World Cultures: Asia	

ANTH1- World Cultures: Latin America & The Caribbean  
UC 5014

**Literary and Artistic Expressions**

Select one of the following: 4

ARTS1- History of Music  
UC 5438

ARTH1- Visual Expressions in Society  
UC 5443

LITR1-UC 6201 Contemporary Global Literature

LITR1-UC 6209 Oral Traditions in Literature

**Liberal Arts Electives**

Select 16 Liberal Arts Elective credits by advisement 16

**Other Major Requirements**

Based on math placement assessment, students select one of the two math courses listed below (in addition to the Quantitative Reasoning requirement in the Core Curriculum) and are required to take all additional courses listed.

MATH1-UC 1174 Calculus W/Applications to Business & Economics 4  
or MATH1- Precalculus  
UC 1171

ECON1-UC 301 Intro to Macroeconomics 4

ECON1-UC 302 Intro to Microeconomics 4

MATH1-UC 1172 Statistical Methods 4

**Foundation Courses**

ISMM1-UC 702 Database Design 4

ISMM1-UC 752 Systems Analysis 4

ISMM1-UC 746 Fundamentals of Computing 4

ISMM1-UC 771 Management Info Systems 4

ISMM1-UC 710 Project & Innovation Management 4

MKAN1-UC 5100 Cultural and Legal Implications of Digital Technology 4

**Advanced Information Systems Management Courses**

Select an additional 20 credits from the following, by advisement: 20

ISMM1-UC 720 Networking Architecture & Protocols

ISMM1-UC 721 Network Administration and Management

ISMM1-UC 725 Disaster Recovery & Continuity Planning

ISMM1-UC 762 Information Security Management

ISMM1-UC 741 Database Administration

ISMM1-UC 742 Business Intelligence

ISMM1-UC 761 Management of Risk and Quality

ISMM1-UC 724 Web Architecture & Infrastructure

ISMM1-UC 727 Design and Programming for the Web

ISMM1-UC 731 Introduction to Cloud Computing

ISMM1-UC 729 Mobile Application Development:

ISMM1-UC 728 Programming Languages:

**Information Systems Management Electives**

Select an additional 16 credits from the above required courses, by advisement (one may be the following): 16

ISMM1- Spec Top in Information Systems Management  
UC 7990

**Graduation Project**

Select one of the following by advisement: 4

ISMM1- Senior Project: Seminar Information Systems  
UC 7991 Management

ISMM1- Senior Project: Internship (Information Systems  
UC 7992 Management)

**Total Credits** 128

**Sample Plan of Study**

Course	Title	Credits
<b>1st Semester/Term</b>		
EXWR1-UC 7502	Writing Workshop I	4
Quantitative Reasoning		4
Historical Perspectives		4
ISMM1-UC 752	Systems Analysis	4
<b>Credits</b>		<b>16</b>
<b>2nd Semester/Term</b>		
EXWR1-UC 7503	Writing Workshop II	4
MATH1-UC 1171	Precalculus	4
or MATH1-UC 1174	or Calculus W/Applications to Business & Economics	
ISMM1-UC 702	Database Design	4
ISMM1-UC 746	Fundamentals of Computing	4
<b>Credits</b>		<b>16</b>
<b>3rd Semester/Term</b>		
MATH1-UC 1172	Statistical Methods	4
HUMN1-UC 6401	Critical Thinking	4
MKAN1-UC 5100	Cultural and Legal Implications of Digital Technology	4
ISMM1-UC 771	Management Info Systems	4
<b>Credits</b>		<b>16</b>
<b>4th Semester/Term</b>		
ECON1-UC 301	Intro to Macroeconomics	4
ISMM1-UC 710	Project & Innovation Management	4
Global Perspectives		4
Literary & Artistic Expressions		4
<b>Credits</b>		<b>16</b>
<b>5th Semester/Term</b>		
ECON1-UC 302	Intro to Microeconomics	4
Scientific Issues		4
Advanced Information Systems Management Course		4
Information Systems Management Elective		4
<b>Credits</b>		<b>16</b>
<b>6th Semester/Term</b>		
Advanced Information Systems Management Course		4
Advanced Information Systems Management Course		4
Information Systems Management Elective		4
Liberal Arts Elective		4
<b>Credits</b>		<b>16</b>
<b>7th Semester/Term</b>		
Advanced Information Systems Management Course		4
Information Systems Management Elective		4
Liberal Arts Elective		4
Liberal Arts Elective		4
<b>Credits</b>		<b>16</b>
<b>8th Semester/Term</b>		
Advanced Information Systems Management Course		4
Information Systems Management Elective		4
Liberal Arts Elective		4
Graduation Project		4
<b>Credits</b>		<b>16</b>
<b>Total Credits</b>		<b>128</b>

## Learning Outcomes

Upon successful completion of the program, graduates will:

1. Design, operate and evaluate competitive technology alternatives to meet corporate needs.
2. Explain the basic concepts of a specified computer technology.
3. Install, operate and maintain specified computer technology.
4. Apply specified computer technology accurately and appropriately in corporate settings.
5. Plan for disaster recovery and continuity of operations.
6. Explain changing trends in computer technology and their future impacts.
7. Identify the legal and ethical issues regarding the handling of data.

## 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 page (<https://bulletins.nyu.edu/undergraduate/professional-studies/academic-policies/>).