Management and Information Systems

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The Department of Management and Information Systems offers the following graduate programs:

- Master of Science in Information Systems (M.S.I.S.)
- Doctor of Philosophy in Business Administration with a concentration in Information Systems (Ph.D.)
- Doctor of Philosophy in Business Administration with a concentration in Management (Ph.D.)

The department also participates in the interdisciplinary Master of Business Administration (M.B.A.) program. See the Business Administration section of this publication for M.B.A. and Ph.D. information.

Master of Science in Information Systems

The mission of the Management and Information Systems program at MSU is to prepare students to become information systems professionals who can successfully develop, acquire, and integrate information technology across levels and functions of a firm in the continually changing global business environment by: equipping students with critical technical skills; strengthening communication skills; enhancing the students' understanding of business functions/operations; developing professional attitudes; and enhancing the students' understanding of the link between an organization and information technology.

Admission Criteria

The applicant for the Master of Science in Information Systems (M.S.I.S.) program should hold a bachelor's degree from a fully recognized four-year institution of higher learning that enjoys unconditional accreditation by appropriate regional accrediting agencies. The applicant must meet all general requirements stated in this publication.

The applicant for the M.S.I.S. program must have a grade point average of 3.00/4.00 or higher over the last 60 hours of undergraduate coursework and a GMAT (Graduate Management Admission Test) score. When a student is deficient in one of the criteria cited, the student's application may still be considered based on the strength of other materials contained in the student's application. However, reasonable minimum levels must be achieved in both the applicant's GPA and GMAT scores. The applicant may submit GRE scores in lieu of GMAT scores.

International Applicants

An international applicant not holding a prior degree from a U.S. Institution must submit an indicator of English proficiency including one of the following:

1. A TOEFL score of 575 PBT (233 CBT or 84 iBT) or
2. an IELTS score of 7.0.

Other indicators of English proficiency may be considered on a case by case basis.

Provisional Admission

Following University guidelines, a student who is admitted provisionally to this program must receive a 3.00 GPA on the first 9 hours of graduate-level courses on the program of study taken at MSU following admission to the program. Courses with an S grade, transfer credits, or credits earned while in Unclassified status cannot be used to satisfy this requirement. If the 3.00 is not attained, the provisional student may be dismissed from graduate study.

In addition, students must complete the foundation courses listed below or have equivalent undergraduate credit. The College of Business offers survey courses in place of undergraduate prerequisites. These are especially designed for non-business undergraduates and may be taken before or during the M.S.I.S. program.

Foundation Course	Replaces Course
Survey of Accounting OR	Principles of Financial Accounting & Principles of Managerial Accounting
Survey of Statistics	Business Statistical Methods I & II
Survey of Management	Principles of Management & Production Management
Survey of Economics	Principles of Macroeconomics & Principles of Microeconomics

Survey of Finance	Financial Management
Survey of Marketing	Principles of Marketing
3 Hours	Programming Courses

Examples of prerequisite classes that would fit the programming requirement include the following. Note that these are just examples, any 3 hours of programming will be allowed.

Some Prerequisite Courses Fulfilling Programming Requirement

BIS 1733	Visual Basic Programming	3
BIS 1753	Introduction to Business COBOL	3
BIS 3733		
CS 1233		
CS 1253		
CS 1314		

Academic Performance

A grade of C or better is required on all undergraduate prerequisite courses. A student in any graduate degree program in the College of Business may not continue in the program with grades below B in more than 6 hours of core graduate coursework, regardless of the overall average. Thus, any program is terminated automatically when a seventh credit hour below B is recorded on core graduate coursework. In addition, the normal MSU requirements for satisfactory progress in a graduate program will be applied.

Minor in Information Systems

A graduate minor in information systems is offered to both business and non-business graduate students. Students interested in business and technology may wish to pursue this minor. Typical career paths range from programmer to systems analyst, database administrator, network administration, IT manager, and chief information officer.

Master of Science in Information Systems

BIS Required Courses

BIS 8112	Managing Information Technology and Systems	2
BIS 8213	Advanced Systems Analysis and Design	3
BIS 8313	Advanced Database Design Administration	3
BIS 8513	Business Telecommunications	3
BIS 8613	MIS Administration	3
BIS 8753	Information Systems Collaborative Project [1]	3
BIS Elective Courses [2]		
Select two of the following:		6
BIS 6113	Business Information Systems Security Management	
BIS 6513	Microcomputers and Networks	
BIS 6523	Advanced Languages II	
BIS 6533	Decision Support Systems	
Free electives		4
Programming courses [3]		3
Total Hours		30

[1]   Capstone course for the M.S.I.S. program and constitutes the comprehensive exam. A grade of B or better in this course is required for graduation.

[2]   The student must take at least two BIS electives. The remaining hours may be selected from courses either inside or outside the College of Business with the approval of the student's major professor. In addition, elective hours must be approved by the student's major professor.

[3]   Must be completed either before or in conjunction with the rest of the coursework.

No more than 6 hours may be below the 8000 level.

Doctor of Philosophy in Business Administration with Information Systems Concentration

See the Business Administration - Ph.D. Programs of Study (http://catalog.msstate.edu/archives/2014-15/graduate/colleges-degree-programs/business/business-administration-phd/#programsofstudytext) .

Doctor of Philosophy in Business Administration with Management Concentration

See the Business Administration - Ph.D. Programs of Study (http://catalog.msstate.edu/archives/2014-15/graduate/colleges-degree-programs/business/business-administration-phd/#programsofstudytext) .

Graduate Minor in Information Systems

Select one of the following:		3
BIS 6113	Business Information Systems Security Management	
BIS 6513	Microcomputers and Networks	
BIS 6523	Advanced Languages II	
BIS 6533	Decision Support Systems	
Select two of the following:		6
BIS 8213	Advanced Systems Analysis and Design	
BIS 8313	Advanced Database Design Administration	
BIS 8413	Data Analytics	
BIS 8513	Business Telecommunications	
BIS 8613	MIS Administration	
Total Hours		9

Minimum GPA of 3.00 is required.

The master's student selecting the minor must name a minor committee professor from the Department of Management and Information Systems to his/her graduate committee. Any student interested in a minor in information systems should contact the Department of Management and Information Systems at (662) 325-3928.