



TEXAS SOUTHERN UNIVERSITY
JESSE H. JONES SCHOOL *of* BUSINESS

MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS (MMIS)

The objective of the **Master of Science in Management Information Systems (MMIS)** program is to educate a diverse group of students by providing them knowledge of and training in the use and management of computer-based management information systems. The MS program at Texas Southern University provides tools and techniques to individuals in analyzing the management information functions of planning, organizing, staffing, and controlling in small to multinational business organizations and trains them for managerial positions in the Management Information Systems/Supply Chain Management areas of construction, manufacturing, wholesale/retail, energy, and healthcare industries.

Graduates of the MS in MIS program are equipped with:

- Skills in using computers and computer-based applications including popular business software and their applications to business.
- An understanding of Supply Chain functions and selected MIS applications in that area.
- Skills required to becoming knowledgeable users of at least one commercially available and popular MIS application with SCM focus.
- Skills required for analysis and determination of information requirements, and for developing Management Information Systems using commercially available application generators and packages.
- Thorough understanding to develop and operate efficient and effective supply chain management systems.

MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS ADMISSION PROCESS

Students will be admitted to the MS in MIS program in the Fall and Spring semesters. The deadline for submission of all application and admission materials is July 15th for the Fall semester and November 15th for the Spring semester of each year (early submission is encouraged).

A complete application consists of the following materials:

- Evidence of a baccalaureate degree from an accredited institution.
- An official transcript of all undergraduate course work.
An acceptable GMAT score (score must be from a test taken within the last five (5) years of your application date, to be considered). An Analytical Writing score of 3.5 or above is required on the GMAT exam to fulfill English proficiency requirement.
- A two-page, career-objective essay (including, a description of the applicant's greatest accomplishment and disappointment and lessons learned from the experiences, as well as a brief discussion of post MS in MIS goals).
- Two confidential letters of recommendation that include applicant's strengths, areas of improvement, and commitment to excellence.
- A current résumé.
- Official TOEFL (Test of English as a Foreign Language) score if the applicant's native language is not English, unless the applicant has received an undergraduate degree from a U.S. college or university. A TOEFL score of at least 550 on the paper based test or 213 on the computer based test or 79 on the Internet based test is required.

Only completed applications (containing all required application materials listed above) will be reviewed for admission. Graduate application materials are received by the Graduate School and forwarded to the Jesse H. Jones School of Business for review. The recommendation of Jesse H. Jones School of Business is returned to the Graduate School. The Graduate School will make the final admission decision and notify the applicant of the decision. Prospective students wishing to inquire about their application status should direct questions to the Graduate School, until an official admissions notification is received.

Master of Science in Management Information Systems Program

Admission to the MS in MIS program as a conditional or an unconditional student requires a baccalaureate degree from a regionally accredited institution.

Unconditional Admission:

The applicant must submit an acceptable Graduate Management Aptitude Test (GMAT) score that will be used in conjunction with the applicant's socioeconomic profile and the undergraduate grade point average to determine admission to graduate programs. The following are some factors that may be included in the socioeconomic profile used in the admission process:

- a. Economic status of family when applicant attended elementary, secondary, and undergraduate school.
- b. Applicant is first-generation to attend undergraduate school.
- c. Applicant is first-generation to attend graduate or professional school.
- d. Applicant is multilingual.
- e. Applicant was employed while attending undergraduate school.
- f. Applicant helped rear other children in family.
- g. Applicant's geographic residence in Texas at time of application.
- h. Geographic region wherein applicant's high school is located.
- i. Applicant's demonstration of performance in community activities.
- j. Applicant's demonstration of commitment to a particular field of study.
- k. The presence or absence of role models with comparable graduate school training in the applicant's region of residence.
- l. The applicant's performance during a personal interview.

Conditional Admission:

Students who fail to satisfy the unconditional admission criteria may be admitted on a conditional basis. Under conditional admission, the student must have at least a 3.00 undergraduate grade point average or the undergraduate grade point average on the last sixty-hours (60) of course work must be at least 3.25. Students admitted in this category will be required to meet the unconditional admission criteria by maintaining at least a grade of "B" or better in each course in the first twelve hours of graduate work within the first year of enrollment. Failure to satisfy unconditional admission criteria within the stipulated time period will result in the student being dropped from the program.

COURSE REQUIREMENTS

The Master of Science in MIS degree requires thirty-three (33) hours of course work, including three (3) hours of elective that allows students to obtain practical training in the MIS area.

The following core subjects must be completed as prerequisites to the M.S. level courses:

- Financial Accounting
- Principles of Economics
- Principles of Finance
- Principles of Management
- Business Statistics
- Operations/Production Management
- Principles of Marketing
- Introduction to Management Information Systems

CURRICULUM SUMMARY
MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS COURSE REQUIREMENTS

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|-----------|--|-------|
| MGSC 625 | Supply Chain Management | 3 SCH |
| MIS 672 | Introduction to C ++ or JAVA Programming | 3 SCH |
| MIS 674 | Data Communications | 3 SCH |
| MIS 675 | Database Management Systems | 3 SCH |
| MIS 676 | Web Design and Development..... | 3 SCH |
| MIS 677 | E- Commerce | 3 SCH |
| MIS 678 | SAP Applications in SCM..... | 3 SCH |
| MIS 680 | Systems Analysis and Development | 3 SCH |
| MIS 681 | IT Project Management | 3 SCH |
| MIS 685 | Management of Information Systems..... | 3 SCH |
| ELECTIVE* | | 3 SCH |

*Three (3) semester hours of restricted elective course can be either of MIS 683, MIS 684, MIS 686 and MIS 688

DEGREE REQUIREMENTS
MASTER OF SCIENCE IN MANAGEMENT INFORMATION SYSTEMS

The minimum general requirements for the Master of Science in Management Information Systems degree are:

1. A minimum grade point average of 3.0 is required for all graduate work attempted.
2. A residency of at least one academic year, or its equivalent, is required.
3. Courses transferred may not exceed 6 semester hours, and a grade of “B” or better must have been earned in each course.
4. No more than 6 semester credit hours of “C” and/or “C+” work are accepted toward satisfying graduation and degree requirements.
5. The program must be completed within 6 calendar years.
6. All graduate students are required to score a “3.5” or better on the writing component of the GMAT, or pass an English proficiency exam during their first semester, or obtain a passing grade in English 501. “Due to COVID-19 the GMAT/GRE requirement has been temporarily waived for all Master of Business Administration (MBA) applicants and Master of Science in Management Information Systems (MS in MIS) applicants through Fall 2021.”
7. To be considered full-time, a student must register for at least 9 semester hours of graduate work per semester. A normal course load consists of 12 semester hours. The maximum load that can be taken is 15 semester hours. A student who takes 15 semester hours must have an overall graduate grade point average of 3.5 or better and not be employed full-time.

APPLICATION CHECKLIST

1. APPLICATION FOR ADMISSION

URL for Online Application: <https://app.applyyourself.com/?id=tsu>

2. OFFICIAL TRANSCRIPTS

Please submit **official** transcripts from each college, university and graduate school attended as a registered student. If you earned a degree from Texas Southern University, a transcript will be requested on your behalf.

3. GMAT

Applicants must submit a valid and acceptable GMAT Score: A score on the aptitude section of the Graduate Management Admission Test (GMAT), which will be used in conjunction with other admission factors. An Analytical Writing score of 3.5 or above is required on the GMAT exam to fulfill English proficiency requirement. **GRE** Scores are accepted in lieu of GMAT scores for the MMIS program. **“Due to COVID-19 the GMAT/GRE requirement has been temporarily waived for all Master of Business Administration (MBA) applicants and Master of Science in Management Information Systems (MS in MIS) applicants through Fall 2021.”**

4. TOEFL

International students need to submit a valid and acceptable TOEFL score: A score of at least 550 on the paper-based test, 213 on the computer-based test, or 79 on the internet-based test of the TOEFL.

5. PROFESSIONAL RESUME

Please include a current resume detailing your professional work experience and areas of responsibility. The resume should reflect work experience beyond earning your baccalaureate (undergraduate) degree.

6. STATEMENT OF PURPOSE

Please write a concise essay of no more than 500 words (2-page), explaining your reasoning for seeking an advanced degree in business, describing how the program will help facilitate your career goals. Include a discussion of your greatest accomplishment and disappointment and lessons learned from the experiences, your professional experience as it relates to the pursuance of this program as well as a brief discussion of post-MMIS goals.

7. TWO (2) LETTERS OF RECOMMENDATION

Two letters of recommendation are required. Letters of recommendation should be obtained from individuals who know you well and can present a balanced evaluation and assessment of your capabilities. Letters should include your strengths, areas for improvement and commitment to academic excellence in a rigorous program.

8. \$50 NON-REFUNDABLE APPLICATION FEE (\$75 for International Applicants), payable to Texas Southern University.

For more information about the program and/or to access application materials, please contact:

Mr. Naveed Haider

Assistant Dean, Graduate Programs in Business

Jesse H. Jones School of Business

Texas Southern University

3100 Cleburne St.

Houston, Texas 77004

Phone: (713) 313-7309

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COURSE DESCRIPTIONS MANAGEMENT INFORMATION SYSTEMS

MGSC 625 Supply Chain Management (3)

The course will provide an introduction to Supply Chain Management and the role of information systems in managing supply chains. **Prerequisite: MGSC 302**

MIS 672 Introduction to C++ or Java Programming (3)

A review of the programming features of these languages and their application to Object Oriented Programming and development of business applications. These will be offered in alternate semesters.

Prerequisite: MIS 304

MIS 674 Data Communications (3)

Managerial and technological issues related to the operation and maintenance of computer networks. Topics covered include WAN, LAN, Internet and related architectures and protocols.

Prerequisite: MIS 304

MIS 675 Database Management Systems (3)

Database concepts and principles in database design with exposure to a popular relational database like "Oracle."

Prerequisites: MIS 304

MIS 676 Web Design and Development (3)

Web applications and design using tools such as HTML, Cascading Style Sheets, JavaScript and DHTML.

Prerequisite: MIS 672

MIS 677 E-Commerce (3)

Provides exposure to the use of Internet for business to business communications, logistics and supply chain management, financial markets, digital payments, marketing etc.

Prerequisites: MIS 674; MIS 676

MIS 678 SAP Applications in SCM (3)

Provides exposure to instructor selected SCM modules in SAP

Prerequisite: MGSC 625; MIS 675

MIS 680 Systems Analysis and Development (3)

An introduction to concepts and processes for analyzing and determining information requirements and using packages and application generators for system development

Prerequisites: MIS 675

MIS 681 IT Project Management (3)

Approaches to managing IT projects including outsourcing and subcontracting strategies. Students will also be exposed to project management tools

Prerequisite: MIS 680

MIS 683 Current Topics in MIS (3)

An instructor selected topic dealing with current issues and/or developments in the MIS area. **Prerequisites: Completion of at least 9 credit hours of coursework in the MIS program and/or consent of instructor**

MIS 684 Internship in MIS area (3)

Student will perform the equivalent of one long semester or an entire summer internship in the Information Technology area in a carefully selected organization

Prerequisites: Completion of at least 18 Credit Hours of coursework in the MIS program

MIS 685 Management of Information Systems (3)

Strategic management of information resources to facilitate corporate competitiveness in the global environment. Capstone course to be taken in the student's last semester of the program.

Prerequisites: Completion of at least 24 Credit Hours of coursework in the MIS program

MIS 686 Data Analytics And Visualization (3)

This course provides an overview of gathering, cleaning, describing, integrating data, and, developing data models. Students will apply descriptive statistical tools to get a comprehensive understanding of the datasets and visualize those using data visualization tools. Students will be introduced to real-world datasets and will have hands-on experience in using them in building preliminary decision models.

Prerequisites: Completion of MGSC 624 course.

MIS 688 Applied Predictive Analytics (3)

In this course students will be introduced to popular data mining methods such as classification, association, and clustering techniques. Students will use relevant software for data mining exercises. Students will develop and apply trend and regression analysis, and, forecasting techniques in business problem solving.

Prerequisites: Completion of MGSC 624 course.