MANAGEMENT INFORMATION SYSTEMS (BSB)

The program in Management Information Systems is intended for undergraduate business students who plan to start their career as information systems professionals in either information technology producing industries or with the heavy users of such technologies. If they decide to take a minor in MIS, graduates will be able to function as liaisons representing their department or business function in information systems projects. This program is guided by several curriculum principles:

- Designed to educate management-oriented, technically proficient information systems professionals.
- Focused on requirements engineering and other stages of system life cycle requiring heavy involvement of systems analysts rather than on technical implementation stages.
- Complements a thorough understanding of business operations covered in the core undergraduate business curriculum. This combination of competencies is particularly important for systems analysts and makes this program distinct from programs in computer science.
- Designed according to current technological trends and is flexible to accommodate its adjustment as stipulated by rapidly changing and evolving information technologies.
- Includes sufficient training in technology skills in high demand to make graduates easily employable and immediately productive.

In this program, students will acquire:

- A broad understanding of information technologies and their utilization in private and governmental organizations
- An in-depth understanding of information systems life cycle and the nature of related phases and tasks from initial study through post-implementation support
- A thorough understanding of system requirements elicitation, analysis, documentation, validation, and management
- Ability to work with users and builders of information systems
- An understanding of information systems project management
- Ability to develop prototypes using visual programming technology
- Ability to identify organizational data and to design and manipulate databases
- Ability to integrate technical knowledge and understanding of business operations
- Experience working on team projects

Program Requirements	Quarter Hours
Business Core Requirements	60
Liberal Studies Requirements	72
Major Requirements	30
Open Electives	30
Total hours required	**192**

Learning Outcomes

Core Outcomes

- Use analytical and reflective skills in decision-making.
- Communicate effectively both orally and in writing.
- Recognize legal and ethical issues confronting them.
- Proficiently use contemporary technologies to solve problems and support business endeavors.
- Know the differences among global economies, institutions, business practices and cultures.
- Acquire knowledge of the functional areas of business and the interrelationships among the functional areas within a business.

Program Specific Outcomes

Students will be able to:

- Analyze, gather requirements, and design systems.
- Conceptualize, design, and develop relational databases.
- Develop, control, and manage projects.

College Core Requirements

Business Core Requirements

All undergraduate students in the Driehaus College of Business complete foundational courses in the areas of accountancy, economics, finance, management, and marketing. The core curriculum also includes courses that emphasize the increasingly quantitative and technological nature of business, the importance of the entrepreneurial mindset, and how students can use their business education to address important social challenges.

Course Requirements

For a student to complete the Bachelor of Science in Business, the following Business Core courses totaling at least 60.0 hours are required:

Course	Title	Quarter Hours
Business Core Courses		
ACC 101	INTRODUCTION TO ACCOUNTING I [1]	4
ACC 102	INTRODUCTION TO ACCOUNTING II [1]	4
BUS 101	INTRODUCTION TO DRIEHAUS: BUSINESS FUNDAMENTALS AND THE ENTREPRENEURIAL MINDSET	4
BUS 102	BUSINESS ANALYTICS	4
BUS 103	BUSINESS FOR SOCIAL GOOD	4
ECO 105	PRINCIPLES OF MICROECONOMICS	4
ECO 106	PRINCIPLES OF MACROECONOMICS	4
FIN 310	INTRODUCTION TO FINANCE	4
MAT 137	BUSINESS STATISTICS	4
MGT 300	PRINCIPLES OF MANAGEMENT	4
MGT 301	PRINCIPLES OF OPERATIONS MANAGEMENT	4
MKT 301	PRINCIPLES OF MARKETING	4
Business Technology [2]		
Select one of the following:		4
BUS 202	BUSINESS TECHNOLOGY	
CSC 241	INTRODUCTION TO COMPUTER SCIENCE I	

MIS 360	SYSTEMS ANALYSIS AND DESIGN	
Business Communication [3]		
Select one of the following:		4
MKT 276	EFFECTIVE BUSINESS COMMUNICATION	
CMNS 201		
Global Business Perspective [4]		
Select one of the following:		4
ECO 316	EUROPEAN ECONOMIC HISTORY	
ECO 330	RADICAL RESPONSES TO CAPITALISM	
ECO 333	TOPICS IN GLOBAL ECONOMIES	
ECO 334	UNDERSTANDING CHINA'S ECONOMY	
ECO 337	GLOBAL ECONOMIC HISTORY	
ECO 360	ECONOMICS OF LOW-INCOME COUNTRIES	
ECO 361	INTERNATIONAL TRADE	
ECO 362	INTERNATIONAL MONETARY ECONOMICS	
ECO 363	ECONOMICS OF THE EUROPEAN UNION	
FIN 340	INTERNATIONAL FINANCE	
FIN 355	GLOBAL IPOS & VENTURE CAPITAL	
IB 350	INTERNATIONAL BUSINESS SEMINAR	
MGT 354	MANAGING TALENT IN GLOBAL CONTEXTS	
MGT 357	INTERNATIONAL BUSINESS	
MKT 340	MARKETING ACROSS CULTURES: A CULTURAL PERSPECTIVE ON MULTICULTURAL MARKETS	
MKT 358	MARKETING IN A GLOBAL ENVIRONMENT	
MKT 360	INTERNATIONAL MARKETING	
SOC 217	WORK IN A GLOBALIZED WORLD	
A course taken as part of a term-long study abroad program		

1 Strobel students take specially designated sections of all required ACC classes, including ACC 101 and ACC 102 (excluding ACC 250, ACC 300, ACC 301).

2 Actuarial Science and Economic Data Analytics majors must take CSC 241.
MIS majors must take MIS 360.

3 MKT majors and Sales minors must take MKT 276.

4 A course taken for Global Business Perspective that is in a student's major or minor field must be completed with a minimum grade of C- .

Business Core Timeline

- BUS 101, BUS 102 and BUS 103 are intended to be completed by students during their first year of enrollment in the college.
- Business core requirements may be prerequisites to other courses.
- Planning is essential to a student's graduation timeline.
- Academic advisors work with students to co-create customized degree completion plans and assist with balancing course load.

Business Ethics

All undergraduate students in the Driehaus College of Business complete a course in Business Ethics. It is recommended students take MGT 248 or PHL 248 in Philosophical Inquiry or MGT 228 or REL 228 in Religious Dimensions in the Liberal Studies Program (or University Honors Program) Requirements.

Second Majors and Minors

The addition of a second major or minor may affect the Business Core classes required for a student. Meet with an academic advisor to confirm requirements.

Business Technology requirement for all business majors (except Management Information Systems majors)

- Business Technology requirement may be replaced by CSC 243.

Math requirement for all business majors (except Actuarial Science majors)

- MAT 137 may be replaced by MAT 348 or MAT 351.

Grade Minimum Requirements for Management Information Systems Major

A minimum grade of C- is required for the following: ACC 101, ACC 102, BUS 101, BUS 102, BUS 103, ECO 105, ECO 106, MAT 137, and MIS 360.

Liberal Studies Requirements

Honors program requirements can be found in the individual Colleges & Schools section of the University Catalog. Select the appropriate college or school, followed by Undergraduate Academics and scroll down.

First Year Program		Hours
Chicago Quarter		
LSP 110 or LSP 111	DISCOVER CHICAGO or EXPLORE CHICAGO	4
Focal Point		
LSP 112	FOCAL POINT SEMINAR	4
Writing		
WRD 103	COMPOSITION AND RHETORIC I [1]	4
WRD 104	COMPOSITION AND RHETORIC II [1]	4
Quantitative Reasoning		
Not Required		
Sophomore Year		
Race, Power, and Resistance		
LSP 200	SEMINAR ON RACE, POWER, AND RESISTANCE	4
Junior Year		
Experiential Learning		
Required		4
Senior Year		
Capstone		
BUS 392	SENIOR SEMINAR [1]	4

1 Students must earn a C- or better in this course.

Learning Domains

Arts and Literature (AL) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/arts-and-literature/)

- 3 AL Courses Required

Historical Inquiry (HI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/historical-inquiry/)
- 2 HI Courses Required

Math and Computing (MC) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/math-and-computing/)
- Not Required

Philosophical Inquiry (PI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/philosophical-inquiry/)
- 2 PI Courses Required[1]

Religious Dimensions (RD) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/religious-dimensions/)
- 2 RD Courses Required[1]

Scientific Inquiry (SI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/scientific-inquiry/)
- 1 Lab Course Required

Social, Cultural, and Behavioral Inquiry (SCBI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/social-cultural-and-behavioral-inquiry/)
- 1 SCBI Course Required

[1] PHL 248 / MGT 248 is required in PI or REL 228 / MGT 228 is required in RD.

Notes

Specified required courses within Liberal Studies may have grade minimums (e.g. C- or better). Please consult your advisor or your college and major requirements.

Courses offered in the student's primary major cannot be taken to fulfill LSP Domain requirements. If students double major, LSP Domain courses may double count for both LSP credit and the second major. Students who choose to take an experiential learning course offered by the major may count it either as a general elective or the Experiential Learning requirement.

In meeting learning domain requirements, no more than one course that is outside the student's major and is cross-listed with a course within the student's major, can be applied to count for LSP domain credit. This policy does not apply to those who are pursuing a double major or earning BFA or BM degrees.

Major Requirements

Course Requirements

In addition to MIS 360, a student majoring in Management Information Systems is required to complete the following courses totaling at least 30.0 hours:

Course	Title	Quarter Hours
IT 130	INTRODUCTORY COMPUTING FOR THE WEB	4
IT 263	APPLIED NETWORKS AND SECURITY	4
MIS 140	INTRODUCTION TO BUSINESS TECHNOLOGY AND DECISION MAKING	4
MIS 250	CAREER MANAGEMENT FOR MIS	2
MIS 300	DATA MINING AND ANALYTICS	4
MIS 362	INFORMATION SYSTEMS PROJECT MANAGEMENT	4
MIS 370	DATABASE MANAGEMENT SYSTEMS DESIGN AND DEVELOPMENT	4
Select one elective course from the following:		4
BUA 301	DESCRIPTIVE AND DIAGNOSTIC BUSINESS ANALYTICS	
BUA 320	ARTIFICIAL INTELLIGENCE AND COGNITIVE TECHNOLOGIES	
IT 211	INTRODUCTION TO APPLIED PROGRAMMING	
IT 231	WEB DEVELOPMENT I	

Career Management Course

Students are required to complete the Career Course (250) associated with the major. Students who double major may choose the Career Course (250) associated with either major provided that hours for graduation are satisfied. Students should take the Career Course as soon as possible.

Open Electives

Open elective credit (30.0 hours) also is needed to meet the minimum graduation requirement of 192 hours.

Graduation Requirements

All Management Information Systems (MIS) courses and any courses used toward the Management Information Systems major must be completed with a minimum grade of C- and with a combined GPA of 2.000 or higher.