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 | 66
Liberal Studies Requirements | 80
Major Requirements | 26
Open Electives | 20
Total hours required | 192
Select one of the following:
- Professional Writing
- Global Business Perspective

Select one of the following:
- Business Capstone
- Communication

Accel Classes, including:
- ACC 101 and 102

Math Requirements for Actuarial Science majors
- A business student is expected to complete the business math courses (MAT 135, MAT 136, and MAT 137) in the first year of study.
- MAT 135 and 137 are completed through Liberal Studies requirements.
- MAT 135 may be replaced by one of the following: MAT 150 or MAT 160 or MAT 170.
- MAT 136 may be replaced by one of the following: MAT 151 or MAT 161 or MAT 171.
- MAT 135 and 136 may be replaced by the following sequence: MAT 147, MAT 148, and MAT 149.
- MAT 137 may be replaced by MAT 348 or MAT 351; if done, an additional Scientific Inquiry course must be added to the degree plan.

Math Requirements for Actuarial Science majors
- An Actuarial Science student is expected to complete the Calculus sequence (MAT 150, MAT 151, and MAT 152) in the first year of study.
Actuarial Science students do not take MAT 135, MAT 136, or MAT 137.

Grade Minimum Requirements for Management Information Systems Major

A minimum grade of C- is required for the following: ACC 101, ACC 102, ECO 105, ECO 106, MAT 135, MAT 136, MAT 137, MIS 140, and the course used for Professional Writing.

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.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year Program</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chicago Quarter</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSP 110 or LSP 111</td>
<td>DISCOVER CHICAGO or EXPLORE CHICAGO</td>
<td>4</td>
</tr>
<tr>
<td>Focal Point</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSP 112</td>
<td>FOCAL POINT SEMINAR</td>
<td>4</td>
</tr>
<tr>
<td>Writing</td>
<td></td>
<td></td>
</tr>
<tr>
<td>WRD 103</td>
<td>COMPOSITION AND RHETORIC I</td>
<td>4</td>
</tr>
<tr>
<td>WRD 104</td>
<td>COMPOSITION AND RHETORIC II</td>
<td>4</td>
</tr>
<tr>
<td>Quantitative Reasoning &amp; Technological Literacy</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Not Required</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Sophomore Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Multiculturalism in the US</td>
<td></td>
<td></td>
</tr>
<tr>
<td>LSP 200</td>
<td>SEMINAR ON MULTICULTURALISM IN THE UNITED STATES</td>
<td>4</td>
</tr>
<tr>
<td>Junior Year</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Experiential Learning</td>
<td>Required 2</td>
<td>4</td>
</tr>
<tr>
<td>Senior Year</td>
<td></td>
<td></td>
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<tr>
<td>Capstone</td>
<td></td>
<td></td>
</tr>
<tr>
<td>ICS 392</td>
<td>SENIOR SEMINAR</td>
<td>4</td>
</tr>
</tbody>
</table>

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

2 Students majoring in Hospitality Leadership are required to complete the sequence of HSP 303 and HSP 304 in order to receive Junior Year Experiential Learning credit.

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

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

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

Scientific Inquiry (SI) (https://catalog.depaul.edu/undergraduate-core/liberal-studies-program/liberal-studies-learning-domains/scientific-inquiry/)
- MAT 135 or MAT 150 or MAT 160
- MAT 137
- 1 Lab or SWK Course

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

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 140, a student majoring in Management Information Systems is required to complete the following courses totaling at least 26.0 hours:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Quarter Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>IT 130</td>
<td>INTRODUCTORY COMPUTING FOR THE WEB</td>
<td>4</td>
</tr>
<tr>
<td>IT 263</td>
<td>APPLIED NETWORKS AND SECURITY</td>
<td>4</td>
</tr>
<tr>
<td>MIS 250</td>
<td>CAREER MANAGEMENT PREPAREDNESS</td>
<td>2</td>
</tr>
<tr>
<td>MIS 360</td>
<td>SYSTEMS ANALYSIS AND DESIGN</td>
<td>4</td>
</tr>
<tr>
<td>MIS 362</td>
<td>INFORMATION SYSTEMS PROJECT MANAGEMENT</td>
<td>4</td>
</tr>
<tr>
<td>MIS 370</td>
<td>DATABASE MANAGEMENT SYSTEMS DESIGN AND DEVELOPMENT</td>
<td>4</td>
</tr>
</tbody>
</table>

Select one elective course from the following: 4
IT 211  INTRODUCTION TO APPLIED PROGRAMMING
IT 231  WEB DEVELOPMENT I
MIS 398  SPECIAL TOPICS \(^1\)

\(^1\) Topic: Data Mining and Analytics only.

MIS 350 is to be taken only by MIS minors; MIS 360 is to be taken only by MIS majors.

**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.

**Open Electives**
Open elective credit (20.0 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.