

# MANAGEMENT INFORMATION SYSTEMS (MIS) MAJOR (BS)

Department website (<https://www.uwp.edu/learn/programs/mismajor.cfm>)

College: College of Business, Economics, and Computing

Management Information Systems (MIS) professionals are the people who help design, develop and manage information systems and technologies for organizational processes. They provide solutions relating to organizational challenges by designing innovative systems and technologies. Some of the roles that MIS professionals play in organizations include Data analysts, Systems analysts, Computer and information systems managers, Application development directors, Chief Technology Officers, Computer Operations Manager, Computer Security Manager, Data Operations Director, Data Processing Managers, Information Systems Directors, Information Systems Managers, Information Technology Directors, Information Technology Systems Directors, Internet Technology Manager, MIS Director, Chief Security Officers, Cloud Engineers, Computer network support specialists, Data scientists, Project Managers, and Database Developers.

MIS graduates develop interpersonal and technical skills and understand business ethics. They also become well-versed with different types of systems analysis and development methodologies.

## Program Learning Outcomes

1. Identify, communicate, and recommend information system solutions to meet practical business needs.
2. Apply principles and tools of data modeling and analytics to practical business scenarios.
3. Utilize appropriate programming constructs and tools to develop an information system application.
4. Design information system infrastructure for a given business scenario.
5. Apply project management principles to practical information system projects.

## Requirements for the Management Information Systems (MIS) Major

A minimum of C or better in the Fundamental Preparation and Business Preparation Courses (C- is not acceptable)

Students must obtain a minimum overall GPA of 2.5 or higher in 300/400 level Foundation, Major, and Concentration courses.

## Common Fundamental, Preparation, and Core Course Requirements for all Business Majors

Business students should declare a major, and concentration if applicable, as soon as possible to stay on track toward graduation.

The following common requirements for all degrees in the business department are in addition to the university general education requirements.

Code	Title	Credits
<b>Fundamental Preparation Courses <sup>1</sup></b>		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
<i>Required Courses</i>		
ECON 120	Principles of Microeconomics	3
ECON 121	Principles of Macroeconomics	3
COMM 105	Public Speaking for the 21st Century	3
QM 110	Applied Quantitative Analysis in Business	3
<i>Advanced Writing Course</i>		
Select one of the following:		
ENGL 201	Advanced Composition	3
ENGL 202	Technical Writing	
ENGL 204	Writing for Business and Industry	
Fundamental Preparation Courses Subtotal		15
<b>Business Preparation Courses <sup>1</sup></b>		
A minimum grade of C or better is required in each course below (C- is not acceptable)		
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
BUS 272	Legal Environment of Business	3
QM 210	Business Statistics I	3
QM 310	Business Statistics II	3
Business Preparation Courses Subtotal		15
<b>Business Foundation Core Courses <sup>2</sup></b>		
Students must acquire an overall average GPA of 2.5 in 300/400 level foundation, major and concentration courses		
QM 319	Operations Management	3
MIS 320	Management Information Systems	3
FIN 330	Managerial Finance	3
MGT 349	Organizational Behavior	3
MKT 350	Marketing Principles	3
BUS 495	Capstone in Strategic Management	3
Business Foundation Core Courses Subtotal		18
<b>Total Credits</b>		<b>48</b>

<sup>1</sup> Approved transfer classes worth fewer credits than the equivalent class can reduce the 15 credit requirement.

<sup>2</sup> Approved transfer classes worth fewer credits than the equivalent class can reduce the 18 credit requirement.

### Prerequisites for 300-400 level business courses:

- Major declared and accepted;
- Completion of a minimum of 54 credits;
- Minimum overall GPA of 2.00 (calculated with and without transfer grades);
- Be within 12 or fewer credits of completing general education requirements.

## Requirements for the Management Information Systems (MIS) Major

The MIS major includes fundamental and business preparation courses (30 credits), upper-level foundation core courses (18 credits), and MIS courses (24 credits) as defined below.

Code	Title	Credits
<b>Common Fundamental, Preparation, and Core Courses</b>		
<i>Common Fundamental, Preparation, and Core Courses Total Credits</i>		<b>48</b>
<b>MIS Courses</b>		
<i>Required MIS Foundation Core Courses</i>		
MIS 215	Data Visualization and Analytics	3
MIS 221	Business Programming I	3
MIS 322	Business Programming II	3
MIS 327	Cloud Computing in Business	3
MIS 328	Database Management Systems	3
MIS 425	Systems Analysis and Design	3
MIS 431	Advanced Data Analytics	3
PMGT 341	Basics of Project Management	3
MIS Courses Subtotal		24
<b>Total Credits</b>		<b>72</b>

Note: Students pursuing the MIS major are strongly encouraged to fulfill the natural sciences general education requirement by taking one or more of the following courses:

Code	Title	Credits
CSCI 105	Introduction to Computers	3
CSCI 130	Introduction to Programming	3
CSCI 241	Computer Science I	5

MIS major students are also strongly encouraged to complete a related certificate program: cyber security, unix system administration, or world wide web publishing.

## General University Degree Requirements (Bachelor's Degree)

In addition to individual program requirements, students must also fulfill the following requirements:

Requirement	Credits
Skills	7-8
General Education	36
Foreign Language**	6-8
Ethnic Diversity	3
Total	52-55

\*\* Transfer students in sustainable management, and health information management and technology collaborative, online degree-completion programs, the business management online degree-completion program, and the flexible option degree-completion program will be exempt from the university's foreign language requirement. See appropriate academic section for further information.

Skills Requirement (<https://catalog.uwp.edu/policies/#skills>)

Code	Title	Credits
<b>Reading and Writing</b>		
ENGL 101	Composition and Reading	3
<b>Computational Skills</b>		
Select one of the following:		4-5
MATH 102	Quantitative Reasoning	
MATH 103	Elementary Statistics	
MATH 104	College Mathematics with Applications	
MATH 111	College Algebra I	
<b>Total Credits</b>		<b>7-8</b>

General Education (<https://catalog.uwp.edu/policies/#general>)

- General Education Course List (<https://catalog.uwp.edu/programs/general-education-program/#coursestext>)

Foreign Language (<https://catalog.uwp.edu/policies/#language>)

Ethnic Diversity (<https://catalog.uwp.edu/policies/#ethnic>)

Degree Requirements

Requirement	Credits
Minimum Total Credits	120
Upper Level Credits (300 level or above)	36
Residency	30

Cumulative Degree GPA: 2.0 minimum