

# MANAGEMENT INFORMATION SYSTEMS, Associate in Science Degree - 1116

Business Studies Department

CIP Code: 52.1201

The Management Information Systems (MIS) AS program combines business and technology to prepare students for a career in business, allowing them to focus on using information technology to improve business operations and decision-making. The curriculum teaches students computer systems, data management and how the information can be applied to solve business problems.

Through theory and hands-on practice, students are taught information systems design, project management, data visualization, statistical analysis and data interpretation. The curriculum focuses on four key areas: Information Systems Management, Data Analysis, Data Interpretation and Database Management. Students are also introduced to modern analytics software and programming languages to find patterns in different data sources. Ethical and privacy issues, related to organizational data use, are also covered in the program.

As students prepare to transfer and pursue a bachelor's degree in MIS, or a related field, they will have gained a solid academic foundation, a specialized skill set in data analytics and the ability to use information systems effectively to solve complex business challenges. This program may be completed entirely through asynchronous instruction.

## Transfer Opportunities

Students are prepared to continue their studies by transferring to a four-year institution and obtain a bachelor's degree in Management Information Systems, Information Systems and Data Analytics. Upon graduation with their Bachelor's, graduates are able to find employment as Business Intelligence Analysts, Information Technology Project Managers or Data Analysts.

## Competency Profile

This curriculum is designed to prepare graduates of the program to:

- Explain the principles of information systems and the role they play in business management.
- Analyze data using statistical techniques and data visualization tools
- Interpret and communicate data clearly within a business context to make data-driven decisions
- Gain proficiency in managing databases including design, development, data normalization and data manipulation using SQL

## PROGRAM REQUIREMENTS (TOTAL CREDITS = 61)

General Education		Major Requirements		Other Required Courses	
ENGL 101 English Composition I	3	CIS 105 Intro to Software for Business	3	MGMT 201 Principles of Management	3
ENGL 102 English Composition II (or)	3	CIS 241 Data Administration I	3	MKTG 201 Principles of Marketing	3
ENGL 104 Technical Writing (or)	(3)	CIS 245 Database Programming	3	Program Specific Elective**	3
ENGL 106 Written Business Communications	(3)	CIS 259 Data Visualization	3		9
COMM 101 Effective Speaking	3	CIS 257 Data Warehousing	3		
Humanities & Arts Core Elective	3	CPS 113 Python Programming Using Microcomputers	3		
Mathematics Core Elective – MATH 103	3	MIS 103 Fundamentals of Management Information Systems	3		
Mathematics or Science Core Elective – MATH 202	4		21		
Science w/ a Laboratory Core Elective	3				
Social & Behavioral Science Core Elective – ECON 201	3				
First-Year Seminar Elective – BUSI 101	3				
Wellness Elective*	3				
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\*Students select from HLTH 101, PE 201, WHP 101 or 103.

\*\*Students are to select from the following: BUSI 209; ECON 202; MATH 110; Any ACCT, CIS or CPS courses.

**Note:** Students must complete the following courses with a minimum grade of C to graduate: all BUSI, CIS, CPS, MKTG, MGMT and MIS courses.

**RECOMMENDED SEQUENCE FOR FULL-TIME STUDENTS**

<b>Fall Semester I</b>		<b>Spring Semester I</b>		<b>Fall Semester II</b>		<b>Spring Semester II</b>	
BUSI 101	3	CIS 241	3	CPS 113	3	CIS 245	3
CIS 105	3	CIS 259	3	ENGL 102, 104 or 106	3	CIS 257	3
ENGL 101	3	COMM 101	3	MGMT 201	3	ECON 201	3
MATH 103	3	Humanities/Arts Core Elective	3	Program Specific Elective**	3	MKTG 201	3
MIS 103	3	MATH 202	4	Wellness Elective*	3	Science w/ a Lab Core Elective	3

**RECOMMENDED SEQUENCE FOR PART-TIME STUDENTS**

Part-time students can complete this program by taking one or more courses each semester.

<b>Fall Semester I</b>		<b>Spring Semester I</b>		<b>Fall Semester II</b>		<b>Spring Semester II</b>	
BUSI 101	3	CIS 241	3	CIS 259	3	CPS 113	3
CIS 105	3	ENGL 101	3	COMM 101	3	ENGL 102, 104 or 106	3
MIS 103	3	MATH 103	3	MGMT 201	3	MATH 202	4

  

<b>Fall Semester III</b>		<b>Spring Semester III</b>		<b>Fall Semester IV</b>	
ECON 201	3	CIS 245	3	CIS 257	3
Program Specific Elective**	3	MKTG 201	3	Humanities/Arts Core Elective	3
Wellness Elective*	3	Science w/ Lab Core Elective	3		