

# Management Information Systems AS DEGREE

## Program Overview

The Associate of Science Degree in Management Information Systems is designed to provide students with opportunities for immediate employment or for transfer to four-year institutions. The College has developed articulation agreements with four-year institutions to assist students with their transfer goals. See a Transfer Specialist for further information.

Students planning a career in this area should have above average mathematic reasoning and communication skills. Students should exhibit qualities of patience, perseverance, and preciseness, and should enjoy working in a team environment.

## Career Opportunities

A management information system degree prepares the student for a career that combines business techniques and computer systems capability. Students study how to provide reporting and analysis using best practices in information technology.

Graduates will find opportunities in the information systems field in business, manufacturing, government and education.

With additional education and experience, students may advance to positions such as Systems Analyst, Software Architect and Business Analyst. Graduates of this program may choose to continue their education at a four-year institution in Management Information Systems or a related field. Others may elect to enter the workforce following graduation.

## Program Outcomes

- Analyze complex business processes to develop process improvements and comprehensive information system requirements specifications to support them.
- Build and test information systems.
- Utilize accounting and business systems information to develop recommendations for operating cost reduction and improved use of capital investment.
- Demonstrate understanding of business systems, current technologies, organizational structures, communication tools, and critical thinking skills to help guide Management Information Systems success.
- Apply effective technical communication skills.
- Develop database applications using an industry standard database management system.
- Demonstrate an understanding of computing and programming concepts.

## Program Faculty

- Mary Anderson  
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- Warren Sheaffer  
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- Cheng Thao  
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## Part-time and Full-time Options

This program can be completed by using a combination of day, evening, and Saturday courses. Part-time and full-time options are available.

## Program Requirements

Check off when completed

Course	Cr
<input type="checkbox"/> ACCT 2410 Financial Accounting	4
<input type="checkbox"/> BUSN 2110 Principles of Marketing	3
<input type="checkbox"/> BUSN 2450 Management Fundamentals	3
<input type="checkbox"/> CSCI 1410 Computer Science & Information Systems	4
<input type="checkbox"/> CSCI 1450 Web Fundamentals/HTML	4
<input type="checkbox"/> CSCI 1523 Intro to Computing and Programming Concepts	4
<input type="checkbox"/> CSCI 1550 Database Management Fundamentals	4
<input type="checkbox"/> CSCI 2410 Management Information Systems	3
<b>Subtotal</b>	<b>29</b>

## General Education/MnTC Requirements

Refer to the Minnesota Transfer Curriculum Course List for each Goal Area

<input type="checkbox"/> Goal 1: Communication	7
ENGL 1711 Composition 1 – 4 cr COMM 17XX – 3 cr	
<input type="checkbox"/> Goal 4: Mathematical/Logical Reasoning	7-8
MATH 1740 Introduction to Statistics – 4 cr MATH 1730 College Algebra – 3 cr OR MATH 2749 Calculus 1 – 4 cr	
<input type="checkbox"/> Goal 5: History, Social Science and Behavioral Sciences	6
ECON 1720 Macroeconomics – 3 cr ECON 1730 Microeconomics – 3 cr	
<input type="checkbox"/> Goals 1-10 of the Minnesota Transfer Curriculum	10-11
Select a minimum of 10-11 additional credits Students must select courses from at least six (6) Goal Areas of the Minnesota Transfer Curriculum.	
<b>General Education Requirements</b>	<b>31</b>

**Total Program Credits . . . . . 60**

*Information is subject to change.  
This Program Requirements Guide is not a contract.*

## Program Start Dates

Fall, Spring, Summer

## Course Sequence

The following sequence is recommended for a full-time student. Not all courses are offered each semester.

### First Semester

BUSN 2450 Management Fundamentals	3
CSCI 1410 Computer Science & Info Systems	4
Goal 1: ENGL 1711 Composition 1	4
Goal 4: MATH 1730 College Algebra OR MATH 2749 Calculus 1	3-4
<b>Total Semester Credits</b>	<b>14-15</b>

### Second Semester

ACCT 2410 Financial Accounting	4
BUSN 2110 Principles of Marketing	3
CSCI 1523 Introduction to Computing and Programming Concepts	4
Goal 4: MATH 1740 Introduction to Statistics	4
<b>Total Semester Credits</b>	<b>15</b>

### Third Semester

CSCI 1450 Web Fundamentals/HTML	4
CSCI 1550 Database Management Fundamentals	4
Goal 1: COMM 17XX	3
Goal 5: ECON 1720 Macroeconomics	3
MnTC Electives	3
<b>Total Semester Credits</b>	<b>17</b>

### Fourth Semester

CSCI 2410 Management Information Systems (spring only)	3
Goal 5: ECON 1730 Microeconomics	3
MnTC Electives	7-8
<b>Total Semester Credits</b>	<b>13-14</b>

**Total Program Credits . . . . . 60**

*See back of this guide for Transfer Opportunities*

# Management Information Systems AS DEGREE *(continued)*

(29 credits + 31 GenEd credits)

## Transfer Opportunities

Saint Paul College has transfer agreements & partnerships between many post-secondary institutions. For more information please go to [saintpaul.edu/Transfer](http://saintpaul.edu/Transfer).

### Minimum Program Entry Requirements

Students entering this program must meet the following minimum program entry requirements:

**Reading:** Score of 250+ or grade of "C" or better in READ 0722 or READ 0724 or EAPP 0900

**Writing:** Score of 250+ on Reading Comprehension or grade of "C" or better in ENGL 0922 or EAPP 0900

**Adv. Algebra & Functions:** Score of 250+ or grade of "C" or better in MATH 0920

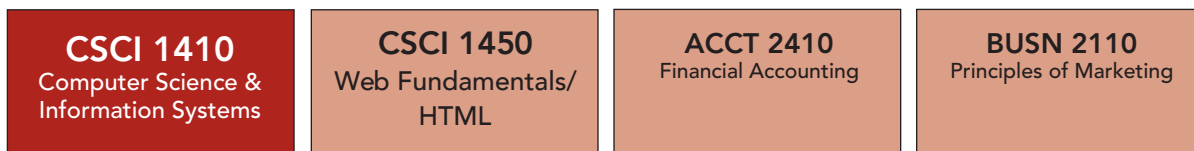
### Assessment Results and Prerequisites:

Students admitted into Saint Paul College programs may need to complete additional courses based on assessment results and course prerequisite requirements. Certain MATH, READ, and ENGL courses have additional prerequisites.

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The below chart illustrates the courses required for completion of this degree.

## Introductory



## Intermediate



## Advanced

(offered once per year)

