Management Information Systems

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
1. Graduates will be able to analyze complex business processes and develop process improvements and comprehensive information system requirements specifications to support them.
2. Graduates will be able to help build and test information systems in an organization.
3. Graduates will be able to utilize accounting and business systems information to develop recommendations for operating cost reduction and improved use of capital investment.
4. Graduates will have a sound understanding of business systems, current technologies, organizational structures, communication tools and critical thinking skills to help guide Management Information Systems success.

Program Faculty
Warren Sheaffer  warren.sheaffer@saintpaul.edu

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
☐ ACCT 2410 Financial Accounting ................. 4
☐ BUSN 2110 Principles of Marketing ............ 3
☐ BUSN 2450 Management Fundamentals ........ 3
☐ CSCI 1410 Computer Science & Information Systems .................. 4
☐ CSCI 1450 Web Fundamentals/HTML ........... 4
☐ CSCI 1523 Intro to Computing and Programming Concepts .................. 4
☐ CSCI 1550 Database Management Fundamentals .................. 4
☐ CSCI 2410 Management Information Systems .... 3
Subtotal ........................................ 29
General Education/MnTC Requirements Cr
Refer to the Minnesota Transfer Curriculum Course List for each Goal Area
☐ Goal 1: Communication ............................. 7
☐ Goal 4: Mathematical/Logical Reasoning .... 7-8
☐ Goal 5: History, Social Science and Behavioral Sciences .................. 6
☐ Goals 1-10 of the Minnesota Transfer Curriculum .............................. 10-11
Select a minimum of 10-11 additional credits
Can also be completed with 6 credits
General Education Requirements .......................... 31
Total Program Credits .................................. 60

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
Total Semester Credits .............................. 14-15

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
Total Semester Credits .............................. 15

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
Total Semester Credits .............................. 17

Fourth Semester
CSCI 2410 Management Information Systems .... 3
Goal 5: ECON 1730 Microeconomics ............ 3
MnTC Electives ......................................... 7-8
Total Semester Credits .............................. 13-14

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

See back of this guide for Transfer Opportunities
Management Information Systems AS DEGREE (continued)
(29 credits + 31 GenEd credits)

Minimum Program Entry Requirements
Students entering this program must meet the following minimum program entry requirements:

- **Reading**: Score of 78+ or grade of “C” or better in READ 0722
- **Writing**: Score of 78+ or grade of “C” or better in ENGL 0922
- **College Level Mathematics**: Score of 50+ 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.

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

### Introductory

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
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<tbody>
<tr>
<td>CSCI 1410</td>
<td>Computer Science &amp; Information System</td>
</tr>
<tr>
<td>CSCI 1450</td>
<td>Web Fundamentals/HTML</td>
</tr>
<tr>
<td>ACCT 2410</td>
<td>Financial Accounting</td>
</tr>
<tr>
<td>BUSN 2110</td>
<td>Principles of Marketing</td>
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### Intermediate

<table>
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<tbody>
<tr>
<td>MATH 1730</td>
<td>College Algebra (or proficiency)</td>
</tr>
<tr>
<td>CSCI 1550</td>
<td>Database Management Fundamentals</td>
</tr>
<tr>
<td>CSCI 1523</td>
<td>Intro to Computing and Programming Concepts</td>
</tr>
</tbody>
</table>

### Advanced
(.offered once per year)

<table>
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<tr>
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<tr>
<td>CSCI 2410</td>
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