

A.S. to B.S. in Information Technology Management

2+2 Transfer Guide

The University of Mary and Bismarck State College have partnered to offer the Seamless Transfer program. Now, it's even easier to step from a two-year program into your dream major! The Seamless Transfer program allows students to work towards their bachelor's degree from the University of Mary while simultaneously earning their associate's degree from Bismarck State College. Students who successfully complete their associate's degree with the required U-Mary pre-requisites at Bismarck State College can seamlessly transfer to the University of Mary and complete their bachelor's degree in Information Technology Management in only two years.

The rapid spread of computers and computer-based technologies over the past two decades has generated a need for skilled, highly trained workers. Information Technology Management (ITM) majors graduating from the University of Mary's Gary Tharaldson School of Business will be enriched through a curriculum of discovery, development, and application to ensure a sound knowledge of the key professional components of their major. Students also will gain an understanding of how to incorporate servant-leadership into their everyday lives as business professionals. In addition to the core competencies of the university, information technology management majors will be able to:

- Demonstrate effective oral and written communication skills in an information systems environment.
- Apply computer literacy, information literacy, programming logic, and a variety of computer applications, including word processing, spreadsheet, presentation, and database programs.
- Demonstrate the knowledge of database technology to analyze and design a database system using professional tools and techniques.
- Analyze information systems to determine use needs and solutions using project teams, professional tools, and techniques.
- Critically investigate and solve problems by using spreadsheet models.
- Analyze, design, and produce a Web site.



- Evaluate network performance, troubleshoot problems, and create administrative solutions to solve business problems.
- Apply a critical-thinking methodology in order to design a project management plan using professional tools and techniques.
- Research ITM issues, techniques, or tools and determine how the concept could assist the project development or management process.
- Use ITM concepts, tools, and techniques to successfully complete a ITM project or internship.

CAREER OUTLOOK⁺

Employment of computer and information systems managers is projected grow 18 percent from 2010 to 2020, about as fast as the average for all occupations.

Growth will be driven by organizations upgrading their information technology (IT) systems and switching to newer, faster, and more mobile networks. Consequently, more employees at all management levels will be needed to help in the transition. Additional growth will likely result from the need to increase security in IT departments. More attention is being directed at cyber threats, a trend that is expected to increase over the next decade.

⁺ Bureau of Labor Statistics, U.S. Department of Labor, Occupational Outlook Handbook, 2012-'13 Edition.

Information Technology Management

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INFORMATION TECHNOLOGY MANAGEMENT MAJOR CURRICULUM*+†

Bismarck State College

■ Freshman

ENGL 110	College Composition	3
CIS 212	Microsoft Windows Operating System Client	3
CIS 107	Linux Fundamentals	3
CIS 164	Networking Fundamentals I	4
CIS 230	Electronic Publishing	3

CSCI 122	Visual Basic I	3
CIS 216	Implementing a Microsoft Windows Network Infrastructure	3
CIS 223	Linux System Administration	3
CIS 165	Networking Fundamentals II	4
CIS 128	Microcomputer Hardware	3

■ Sophomore

SOC 110	Intro to Sociology	3
or Art	Core	3
CIS 214	Implementing a Microsoft Windows Active Directory Infrastructure	3
CIS 226	Linux Network & Security Admin	3
CIS 267	Intermediate Networking I	4
CIS 204	Database Design & SQL	3
Elective		3 or 4

COMM 110	Fund. of Public Speaking	3
CIS 213	Implementing Microsoft Windows Server Applications	3
CIS 268	Intermediate Networking II	4
CIS 255	Computer & Network Security	3
CIS 269	Network Architecture & Design	3

University of Mary

■ Junior

BUS 215	Principles of Management	4
BUS 371	HR Management	3

ITM 200	Introduction to Information Systems	3
ITM 310	Systems Development II	3
PHI/THE 300+	Core	4
ALU 322	Transfer Seminar	1

BUS 401	Operations Management	4
PHI/THE 300+	Core	
ANT 171	Cultural Anthropology	3
ENG 121	Composition II	3
Elective	Art, Lit, or Music	3 or 4

■ Senior

Elective	Math/Science	4
300+	Liberal Arts Elective	4
300+	Liberal Arts Elective	4
PHI/THE 300+		4

BUS 454	Project Management	3
ITM 420	Systems Development Project	3
ITM 430	Current Issues in IT	3
ITM 456	Internship or Project	4
300+	Liberal Arts Elective	4

+ **Please note:** the additional courses required for the completion of an Associate's Degree at Bismarck State College are not listed here – please see your advisor for more information.

* The maximum number of credits that will transfer from BSC to U-Mary is 64.

† Courses tied to the ITM major, directly or as a prerequisite, require a final grade of C or higher. A 2.5 cumulative GPA is required for graduation.

UNIVERSITY OF MARY ADMISSIONS CONTACT:

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