

STEM

INFORMATION SYSTEMS MANAGEMENT

Delivery: Daytime, Evening, and Online Classes

Start: Recommended Fall Semester start, full-time.
Spring Semester start options are available.
Full or Part-time.

AWARDS

Information Systems Management A.A.S. Degree 69 cr.
Information Systems Management Diploma 60 cr.

MAJOR DESCRIPTION

This interdisciplinary program combines courses from Networking Administration, Software Development and Information Systems Management to teach a unique blend of networking, programming and management skills. Graduates are prepared to function in small business firms as the sole computer resource person or, matched with entrepreneurial knowledge, start their own computer consulting firms.

WORK ENVIRONMENT

Information systems managers experience a high level of social interaction where they use well-developed analytical skills. Job duties generally keep them indoors, and they typically work a regular business week.

POTENTIAL JOB TITLES

- Computer Network Support Technician
- Network Administrator, IT
- System Administrator, Computer/Network
- Information Technology Specialist
- Systems Administrator

SALARY DATA

See latest data at onetonline.org.

- Average Wage: \$76.10/hour
- Top Earners: \$102.97/hour

ADDITIONAL INFORMATION

Scan the QR code for more program information and specific program costs.



INFORMATION SYSTEMS MANAGEMENT
A.A.S. DEGREE

*This is a suggested sample course sequence.
Please contact your program advisor regarding your academic plans.*

First Year - Fall Semester **15 cr**

ENGL1150	Composition I	3
ISTC1015	Supporting Business Applications	3
ISTC1030	Operating Systems I	3
ISTC1045	Network Systems I: Introduction to Networking	3
ISTC1300	Introduction to Programming	3

First Year - Spring Semester **17 cr**

ISTC1001	Introduction to Information Systems Mgmt †	2
ISTC1010	Microcomputer Maintenance	3
ISTC1033	Operating Systems II	3
ISTC1050	Database Systems	3
ISTC1061	Intro to IT Security	3
ISTC1100	Business Communications	3

Second Year - Fall Semester **18 cr**

COMS1020	Interpersonal Communication	3
ISTC1230	System Analysis and Design	3
ISTC2035	Operating System III	3
ISTC2066	Firewalls	3
	General Elective (any MnTC Goal 1-10)	6

Second Year - Spring Semester **19 cr**

ACCT1010	Principles of Financial Accounting	4
ISTC2040	Database Management	3
ISTC2100	Project Management (or ISTC2970 Internship)	3
ISTC2150	Virtualization, Storage, and Cloud Technologies	3
MATS1251	or MATS1240 or MATS1300 or PHIL1250*	3
	Technical Elective (any ISTC)	3

TOTAL PROGRAM REQUIREMENTS 69

† Course only offered once a year. Please see faculty advisor for schedule.

** PHIL1250 is 3 credits. MATS1251, 1240 & 1300 are 4 credits. Students who complete MATS1251, 1240, or 1300 will get 1 credit towards their General Elective total.*

INFORMATION SYSTEMS MANAGEMENT DIPLOMA

*This is a suggested sample course sequence.
Please contact your program advisor regarding your academic plans.*

First Year - Fall Semester **15 cr**

ENGL1150	Composition I.....	3
ISTC1015	Supporting Business Applications.....	3
ISTC1030	Operating Systems I.....	3
ISTC1045	Network Systems I: Introduction to Networking....	3
ISTC1300	Introduction to Programming.....	3

First Year - Spring Semester **17 cr**

ISTC1001	Introduction to Information Systems Mgmt [†]	2
ISTC1010	Microcomputer Maintenance.....	3
ISTC1033	Operating Systems II.....	3
ISTC1050	Database Systems.....	3
ISTC1061	Intro to Security.....	3
ISTC1100	Business Communications.....	3

Second Year - Fall Semester **15 cr**

COMS1020	Interpersonal Communication.....	3
ISTC1230	System Analysis and Design.....	3
ISTC2035	Operating System III.....	3
ISTC2066	Firewalls.....	3
	General Elective (any MnTC Goal 1-10).....	3

Second Year - Spring Semester **13 cr**

ACCT1010	Principles of Financial Accounting.....	4
ISTC2040	Database Management.....	3
ISTC2150	Virtualization, Storage, and Cloud Technologies....	3
	Technical Elective (any ISTC).....	3

TOTAL PROGRAM REQUIREMENTS 60

[†] Course only offered once a year. Please see faculty advisor for schedule.



DAKOTA COUNTY
TECHNICAL COLLEGE

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This information is available in an alternate format by calling 651-423-8469 or TTY/Minnesota Relay at 1-800-627-3529.