

## INFORMATION SYSTEMS MANAGEMENT

**Delivery:** Daytime and Evening Classes

**Start:** Fall or Spring Semester, Full- or Part-Time

**OUTCOMES**

Information Systems Mgmt. A.A.S. Degree ..... 69 cr.

Information Systems Mgmt. 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
- Programmer Analyst

**SALARY DATA**

- Average Wage: \$25.29/hour
- Top Earners: \$36.31/hour

**INFORMATION SYSTEMS MANAGEMENT**  
A.A.S. DEGREE

*This is a sample course sequence.*

*Please contact your program advisor regarding your academic plans.*

**First Year - First Semester** **15 cr**

ISTC1015	Supporting Business Applications.....	3
ISTC1030	Operating Systems I.....	3
ISTC1045	Network Systems I: Introduction to Networking.....	3
ISTC1100	Business Communications.....	3
SPEE1020	Interpersonal Communication.....	3

**First Year - Second 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
ENGL1150	Composition I.....	3

**Second Year - First Semester** **18 cr**

ISTC1300	Introduction to Programming.....	3
ISTC2035	Operating System III.....	3
ISTC2040	Database Management.....	3
MATS1251	Statistics ( <b>or</b> MATS1300 <b>or</b> PHIL1250).....	3
	General Elective (any MnTC area).....	3
	Technical Elective (any ISTC).....	3

**Second Year - Second Semester** **19 cr**

ISTC1230	System Analysis and Design.....	3
ISTC2066	Firewalls.....	3
ISTC2100	Project Management ( <b>or</b> ISTC2970 Internship).....	3
ACCT1010	Principles of Financial Accounting.....	4
ISTC2150	Virtualization, Storage, and Cloud Technologies.....	3
	General Elective (any MnTC area).....	3

**TOTAL PROGRAM REQUIREMENTS 69**

# INFORMATION SYSTEMS MANAGEMENT DIPLOMA

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## First Year - First Semester 15 cr

ISTC1015	Supporting Business Applications.....	3
ISTC1030	Operating Systems I.....	3
ISTC1045	Network Systems I: Introduction to Networking....	3
ISTC1100	Business Communications.....	3
SPEE1020	Interpersonal Communication.....	3

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## First Year - Second Semester 14 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

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## Second Year - First Semester 15 cr

ISTC1300	Introduction to Programming.....	3
ISTC2035	Operating System III.....	3
ISTC2040	Database Management.....	3
ENGL1150	Composition I.....	3
	Technical Elective (any ISTC).....	3

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## Second Year - Second Semester 16 cr

ISTC1230	System Analysis and Design.....	3
ISTC2066	Firewalls.....	3
ACCT1010	Principles of Financial Accounting.....	4
ISTC2150	Virtualization, Storage, and Cloud Technologies....	3
	General Elective (any MnTC area).....	3

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**TOTAL PROGRAM REQUIREMENTS 60**



**DAKOTA COUNTY**  
**TECHNICAL COLLEGE**

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