

Bachelor of Science

Computer Information Technology - Systems Administration & Security

North Central Michigan College – Transfer Guide

Computer Information Technology – Systems Administration & Security program is designed for students who want to work in the business world and give technical assistance to business’ or organizations’ computer systems & users. Individual business departments, corporations, or multi-national enterprises need professionals who can relate their technical skills by problem-solving computer systems issues within the business environment. The CIT-SAS curriculum provides you with a broad understanding of core business functions, computer support specialists skills, help-desk support skills, network and computer systems administration skills, and computer security skills. This curriculum prepares you for industry certifications such as, CompTIA’s A+, Network+, Linux+, & Security+ certifications, and Microsoft’s MCSA or MCTS certification. Entry-level positions include such jobs as: computer support specialists, help-desk technicians, network administrators, computer system administrators, and computer security specialists. Students must pass the CompTIA’s A+ certification, and two of the following industry certifications (MCSA, MCITP, Network+, Linux+, Security+, CNA or CCNA) to graduate from the CIT program. Additional certifications are encouraged.

General Admission Criteria

To be admitted to this program you must have at least 48 transferable semester credit hours (C or better) from an accredited college or university with a 2.5 GPA, credit for/or placement into ENG 111 or MTH 113. It is recommended the student pass the CompTIA’s A+ certification.

Courses Requirements

North Central Michigan College

Communications Competence

COM 111 Speech (COMM121)	3
ENG 111 English Composition I (ENGL150)	3
ENG 112 English Composition II (ENGL250)	3

Scientific Understanding

Scientific Understanding w/Lab	4-5
Natural Science **	4-5

Quantitative Skills

MTH 113 Intermediate Algebra (MATH115)	4
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Cultural Enrichment

PHL 105 Introduction to Ethics (PHIL216)	3
Humanities Electives***	6

Social Awareness

ECO 111 Macroeconomics (ECON221)	3
ECO 112 Microeconomics (ECON222)	3
Social Science Elective***	3

Electives

General Education Electives++	3
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Business Core Courses

B 211 Principles of Accounting I (ACCT201)	4
B 212 Principles of Accounting II (ACCT202)	4
B 200 Principles of Management (MGMT301)	3
B 291 Business Law II (BLAW321)	3
M 200 Introduction to Marketing (MKTG321)	3
STAT 200 Statistics (STQM260)	3

Computer Information System Major Core

CIS 120 Introduction to PC Operating System (CITS150)	3
CIS 140 Introduction to UNIX and CIS 240 Linux/Unix System Administration (CITS280)	6
IT 101 Network+ (CITS270)	3
IT 112 Microsoft Windows Workstations (CITS250)	3
IT 150 Windows Directory Services and IT 122 Microsoft Windows Servers (CITS255) ..	4.5
IT 130 Microsoft Windows Network Infrastructure (CITS260)	2.5

Directive Electives:

CHOOSE 9 CREDITS FROM NCMC’s CLASSES:

(See your FSU faculty advisor)

Total NCMC Credits 89-91

Ferris State University (Minimum 30 FSU hours)

Communications Competence

COMM336 Technical and Professional Comm	3
ENGL 325 Advanced Writing for Business	3

Business Core Courses

FINC 322 Financial Management 1	3
ISYS 321 Business Information Systems	3
MGMT 370 Quality/Operations Management	3
BUSN 499 Interdisciplinary Integrating experience 3	3

Computer Information Technology Major Core

CITS 160 A+ Certification 2 or Pass the CompTIA A+ Exam	3
CITS 320 Security + Administration	3
CITS 360 Windows Server Administration	3
CITS 380 Linux+ Administration	3
CITS 480 Security+ Administration	3
CITS 491 CIT Internship##	3
PROJ 320 Project Management	3
Total Ferris Credits	39
TOTAL CREDITS	128-130

++Total of 48 General Education credits required for degree

**credits satisfied with MACRAO stamp

***Must satisfy Global Consciousness, & Race, Ethnicity, and Gender requirements w/out MACRAO

Not required if you have work experience in field, sub with FSU Dir Elective

For more information, call or visit us online.

1.866.857.1954 or 1.231.995.1734

www.ferris.edu/offcampus

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