

The Computer Information Technology – System 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 and users. The CIT-SAS curriculum provides you with a broad understanding of core business functions, development of problem solving skills, computer support specialist skills, help-desk support skills, network and computer systems administration skills, and computer security skills to prepare for immediate employment in information technology systems administrations & security and advancement into management positions. Graduates of the CIT program are prepared for positions as LAN support, system administrators, network administrators, security administrators or microcomputer specialists in business and industry. This degree features preparation for several industry standard certifications such as: CompTIA's A+, Network+, Linux+, & Security+ certifications, and Microsoft's MCITP: Server Administration certification.

General Admission Criteria

To be admitted to this program, you must have an associate degree or equivalent credit hours from an accredited college or university. A minimum 2.5 grade point average is required and credit for/or placement into the equivalent to FSU's ENGL 150 or MATH 115. It is recommended that applicants have passed the CompTIA A+ Certification prior to acceptance. All official college transcripts must be submitted at time of application and Ferris does accept the MACRAO agreement from community colleges. To be considered for financial aid from Ferris, students must have earned an associate degree or 48 semester hours.

Course Requirements

MUSKEGON COMMUNITY COLLEGE

(FSU equivalencies are in parentheses)

Major Course Requirements

BUS 101 Principles of Accounting I (ACCT 201)	4
BUS 102 Principles of Accounting II (ACCT 202)	4
BUS 122 Principles of Management (MGMT 301)	3
BUS 260 Principles of Marketing (MKTG 321)	3
BUS 105 Business Statistics or	
MATH 115 Probability & Statistics (STQM 260)	3
CIS 109 Personal Computer Maintenance (CITS 150)	2
CIS 209 PC Maintenance II-A+ Certification (CITS 160)	3
CIS 193A Introduction to Operating Systems and	
CIS 210 Operating Systems Concepts (CITS 250)	4
CIS 143 Introduction to Local Area Networks (CITS 255)	3
CIS 283 Adv. Local Area Network Administration	
Using Windows Server 2003 (CITS 260)	3
CIS 183 Networking Technologies and	
CIS 243 Telecommunications (CITS 270)	6
CIS 275 Linux Operating System (CITS 280)	3
CIS 293 Network Security (CITS 320)	3
Directed Electives (See FSU Advisor)	6

General Education

COM 201 Public Speaking (COMM 121)	3
ENG 101 English Composition (ENGL 150)	3
ENG 102 English Composition or	
ENG 221 Advanced Writing (ENGL 250)	3
Lab Science	4
Natural Science Course	3-4
MATH 050 Intermediate Algebra or	
MATH 109 College Algebra with Applications or	
MATH 111 Algebra/Coordinate Geometry (MATH 115)	4
PHIL 202 Introduction to Ethics (PHIL 216)	3
Humanities Electives	6
ECON 101 Prin. of Economics – Macro (ECON221)	4
ECON 102 Prin. of Economics – Micro. (ECON 222)	4
Social Awareness Elective	3
General Education Elective (Minimum of 48 GE Credits)	3

Total MCC Credits **93-94**

FERRIS STATE UNIVERSITY

Major Course Requirements

BLAW 321 Contracts & Sales	3
CITS 360 Windows Server Administration	3
CITS 380 Linux + Administration 2	3
CITS 480 Security + Admin 2 & Program Capstone	3
CITS 491 Internship	3
BUSN 499 Integrating Experience	3
FINC 322 Financial Management 1	3
ISYS 321 Business Information Systems	3
MGMT 370 Quality/Operations Management	3
PROJ 320 Project Management	3

General Education

COMM 336 Technical & Professional Presentation	3
ENGL 325 Advanced Business Writing	3
Total Ferris Credits	36

Total credits required for graduation **129-130**

Without a MACRAO stamp, courses that satisfy Global Consciousness and Race/Ethnicity/Gender are required for graduation.

For More Information

Prior to applying, set up an appointment with an advisor to answer any questions in regard to the program and to discuss a course schedule. Once admitted, continue to meet as you work towards graduation.

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