

Computer Information Technology, B.S. System Administration & Security

In partnership with Muskegon Community College

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 specialist's skills, help-desk support skills, network and computer systems administration skills, and computer security skills. This curriculum prepares you for several industry certifications such as: CompTIA's: A+, Network+, Linux+, Security+, and Microsoft's Certified Information Technology Professional (MCITP): Server Administration. This degree was developed through direct consultation with future employers to prepare you with a strong core of business understanding combined with industry 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 ENG 101 and MATH 050. 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)	3-4
BUS 102 Principles of Accounting II (ACCT 202)	3-4
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)	3-4
CIS 143 Intro. 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)	3-6
CIS 275 Linux Operating System (CITS 280)	3
CIS 293 Network Security (CITS 320)	3
Directed Electives (See FSU Advisor)	9

General Education

COM 201 Public Speaking (COMM 121)	3
ENG 101 English Composition (ENGL 150)	3
ENG 102 Eng. Comp. or ENG 221 Adv. Writing (ENGL 250)	3
Lab Science	4
Natural Science Course	3-4
MATH 050 Intermediate Algebra or MATH 109 College Algebra with Apps or MATH 111 Algebra with Coordinate Geometry (MATH 115)	4
PHIL 202 Introduction to Ethics (PHIL 216)	3
Cultural Enrichment Electives	6
ECON 101 Prin. of Economics – Macro. (ECON 221)	4
ECON 102 Prin. of Economics – Micro. (ECON 222)	4
*Social Awareness Elective	3
General Education Electives (Total credits must be 48)	5
Total MCC Credits	89-109

FERRIS STATE UNIVERSITY

All Ferris courses need to be completed either online or at the Grand Rapids campus.

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 125-135

*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.

Ferris State University – Muskegon
221 South Quarterline Road, Muskegon, MI 49442
Phone: (231) 777-0510
Email: FerrisMuskegon@ferris.edu
www.ferris.edu/statewide

*Notice: Every effort has been made to include in this publication, information that, at the time of preparation for printing, is accurate. However, the contents of this publication are not to be regarded as a contract between students or potential students at Ferris State University. The University reserves the right to change at any time and without prior notice any provision or requirement including but not limited to, policies, tuition, fees, academic programs, or any other activity or matter. When describing programs offered by Ferris State University in this publication, the intent is to provide information on the type of career possibilities to which a curriculum may lead. In no way is this intended to imply a guarantee of job openings at a particular time for a particular student