

Bachelor of Science

Computer Information Technology

Systems Administration & Security

Southwestern Michigan College

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, MCITS, 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 with credit for/or placement into ENGL 103 or MATH 105. It is recommended the student pass the CompTIA’s A+ certification.

Courses Requirements

Southwestern Michigan College

Communications Competence

SPEE 102 Fundamentals of Public Speaking	3
ENGL 103 Freshman English 1	3
ENGL 104 Freshman English 2	3

Scientific Understanding

Scientific Understanding w/Lab.....	4
Scientific Understanding **.....	3-4

Quantitative Skills

MATH 105 Intermediate Algebra	3-4
-------------------------------------	-----

Cultural Enrichment

PHIL 210 Introduction to Ethics	3-4
Cultural Enrichment Electives***	6

Social Awareness

ECON 201 Macroeconomics	3
ECON 202 Macroeconomics	3
Social Science Elective***	3

Electives

General Education Electives(total of 48 required)...5

Business Core Courses

ACCO 201 Accounting Principles I.....	3-4
ACCO 202 Accounting Principles II	3-4
MATH 150 Statistics	3
BUSI 207 Business Law I.....	3
BUSI 220 Marketing.....	3
BUSI 201 Principles of Management	3

Computer Information System Major Core

ISYS 201 IT Support	3
ISYS 202 Operating Systems.....	3
ISYS 270 PC Repair	3
ISYS 271 Networking Essentials	3
ISYS 281 Windows Networking I	3
ISYS 282 UNIX.....	3

ISYS 283 Windows Networking II	3
ISYS 285 Network Security.....	3

Directive Electives:

CHOOSE 9 CREDITS FROM SMC’s CLASSES:

(See your FSU faculty advisor)

Total SMC Credits..... 93-98

Ferris State University (Minimum 30 FSU hours)

Communications Competence

COMM336 Technical and Professional Comm.....	3
ENGL 325 Advanced Writing for Busines	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	

Computer Information Technology Major Core

CITS 360 Windows Server Administration.....	3
CITS 380 Linux+ Administration	3
PROJ 320 Project Management.....	3
CITS 480 Security+ Administration.....	3
CITS 491 CIT Internship.....	3

Total Ferris Credits.....33

Total credits required for graduation.....126-131

+ Satisfied with MACRAO stamp

**3 credits satisfied with MACRAO stamp

***Must satisfy Global Consciousness, & Race, Ethnicity, and Gender requirements

For more information, call or visit us online.

1.800.456.8675 x 214 or 1.269.785.1214

www.ferris.edu/offcampus

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.