

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 MCTS' or MCITP certifications. **Students must pass the CompTIA's A+ certification, and two additional approved industry certifications such as (Microsoft's MCTS exams, Network+, Linux+, Security+, Cloud+, CNA OR CCNA) to graduate from the CIT program.** Additional certifications are encouraged.

Communication Competency Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
COMM 121	Fundamentals of Public Speaking	3	SPE 101	Principles of Speaking	3
ENGL 150	English 1	3	ENG 111	English Composition 1	3
ENGL 250	English 2	3	ENG 112	English Composition 2	3
ENGL 311 or ENGL 325	Advanced Technical Writing or Advanced Business Writing	3	No Equivalent	No Equivalent	No Equivalent

Quantitative Literacy Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
MATH 114 or MATH 115	Quantitative Reasoning for Professionals or Intermediate Algebra	4 or 3	MTH 121	Intermediate Algebra	4

Natural Sciences Competency Requirements - Two courses are required with a minimum of 6 credits; must have at least one lab course

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
Varies	FSU General Education – Natural Sciences electives	7	Varies	Varies	7

Culture Competency Requirements - Three courses are required with a minimum of 9 credits: must be from two different disciplines, have at least one 200 level or higher course, and have no more than 5 credits from Cultural Competency Activities.

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
Varies	FSU General Education – Culture electives	9	Varies	Varies	3

Self and Society Competency Requirements - Three courses are required with a minimum of 9 credits: must be from two different disciplines and have at least one 200 level or higher course.

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
ECON 201	Principles of Economics 2	3	ECO 136	Principles of Economics 2	3
ECON 202	Principles of Economics 1	3	ECO 137	Principles of Economics 1	3
Varies	FSU General Education – Self and Society Elective – Non-Economics	3	Varies	Varies	3

Additional General Education Requirements - These courses are additional General Education courses to meet the requirements for this specific program.

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
Varies	General Elective	3	Varies	Varies	3

Refer to FSU's General Education Requirements at [Ferris State University General Education Program](#).

Computer Information Technology degree students must complete **43** General Education credits to meet College of Business and University Requirements and are encouraged to work with an advisor to select appropriate general education courses.

Business Core Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
ACCT 201	Principles of Accounting 1	3	ACC 121	Principles of Accounting 1	4
ACCT 202	Principles of Accounting 2	3	ACC 122	Principles of Accounting 2	4
BLAW 321	Contracts & Sales	3	MKT 243	Principles of Salesmanship	3
BUSN 499	Interdisciplinary Integrating Exp.	3	No Equivalent	No Equivalent	No Equivalent
FINC 322	Financial Management 1	3	No Equivalent	No Equivalent	No Equivalent
ISYS 321	Business Information Systems	3	No Equivalent	No Equivalent	No Equivalent
MGMT 301	Applied Management	3	MGT 201	Principles of Management	3
MGMT 370	Quality/Operations Management	3	BUS 102	Business Electives	3
MKTG 321	Principles of Marketing	3	No Equivalent	No Equivalent	No Equivalent
STQM 260	Introduction to Statistics	3	MTH 123	Introduction to Statistics	3

Major Requirements – A 2.5 GPA is required for these courses.

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
CITS 150	A+ Certification 1	3	No Equivalent	No Equivalent	No Equivalent
CITS 160	A+ Certification 2	3	No Equivalent	No Equivalent	No Equivalent
CITS 250	Windows Client Administration	3	No Equivalent	No Equivalent	No Equivalent
CITS 255	Windows Server Active Directory	3	No Equivalent	No Equivalent	No Equivalent
CITS 260	Windows Server Infrastructure	3	No Equivalent	No Equivalent	No Equivalent
CITS 270	Network+	3	No Equivalent	No Equivalent	No Equivalent
CITS 280	Linux+ Administration	3	No Equivalent	No Equivalent	No Equivalent
CITS 320	Security+ Administration	3	No Equivalent	No Equivalent	No Equivalent
CITS 360	Windows Server Administrator	3	No Equivalent	No Equivalent	No Equivalent
CITS 370	Virtual Systems Administration	3	No Equivalent	No Equivalent	No Equivalent
CITS 480	Security+ Administration	3	No Equivalent	No Equivalent	No Equivalent
CITS 491	*CIT Internship	3	No Equivalent	No Equivalent	No Equivalent
ISYS 110	Fundamentals of Programming Design and Logic	3	No Equivalent	No Equivalent	No Equivalent
PROJ 320	Project Management	3	No Equivalent	No Equivalent	No Equivalent

Directed Electives

FSU Course	FSU Course Title	FSU Cr. Hrs.	CC Equiv.	CC Course Title	CC Cr. Hrs.
Varies	Varies	6	Varies	Approved WSCC Directive Electives: CIT115, CIT180, CIT200, CIT220, CIT230, CIT299, CIS200, CIS202, CIS210, CIS211, CIS299 (Note: This is only pre-approved Directive Electives, see your FSU faculty advisor to determine additional options.)	6

Total Credits Required for Degree	121 - 123
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*CIT Internship not required with 1+ year work experience in field. Credits will be substituted with directive elective (See FSU advisor).

CIS / CIT credits that are not part of a completed degree, either transfer or Ferris, that are older than 10 years will not be counted toward the degree requirements for CIS/CIT program. Exceptions to this rule may be considered by petitioning the program coordinator.

No more than 90 credit hours may be transferred from the community college to Ferris State University.

Program Delivery Locations and Contact Information:**Main Campus, Big Rapids****College of Business**

(800) 433-7747 | (231) 591-2420 | [College of Business Email](#) | [College of Business Website](#)

[Transfer Partnerships Website](#)

Ferris Statewide Northern Region

(989) 358-7212 | [Ferris Northern Region Email](#) | [Ferris Statewide Website](#)

[Transfer Partnerships Website](#)

*Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at an off-campus location).

General Admission Criteria

New Students SAT Scores

- 2.5 High School GPA (on a 4.0 scale)
- Two of the Three Criteria:
 1. SAT ERW score of 450 or higher.
 2. SAT Math score of 500 or higher. Placement in MATH 109/110 will be considered (SAT MATH score of 480 or higher).
 3. SAT Composite of 900 or higher.

New Students ACT Scores

- 2.5 High School GPA (on a 4.0 scale)
- Two of the Three Criteria:
 1. ACT English score of 16 or higher.
 2. ACT Math score of 19 or higher.
 3. ACT Reading score of 19 or higher

Transfer Students

- Combined college or university GPA of 2.5 (on a 4.0 scale) from all institutions attended. GPA is based on completion of 12 credit hours or more. Developmental courses will not be considered in computing the GPA requirement.
- Transfer equivalency for FSU ENGL 150 or placement during the first semester at FSU which would require an ACT English score of 16 or higher; or SAT ERW score of 450 or higher; or Accuplacer English score of 6 or higher.
- Transfer equivalency for FSU MATH 114/115 or placement during the first semester at FSU which would require an ACT Math score of 19 or higher; SAT Math score of 500 or higher; or Accuplacer Math scores: Elementary Algebra score 75 or higher and College Level Math 0-49.

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. Students who are completing the MTA may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of general education or elective course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation.

Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation.

Reverse Transfer Agreement

The Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both the community college and Ferris.

Michigan Transfer Agreement (MTA)

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

Students must work with their Ferris advisor to declare a Minor or Concentration and for selection of Directed Electives.

Disclaimer

This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change. Students should contact their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to effective and/or revised date on the bottom of this guide.