

The Computer Information Technology (CIT) degree is for students who want to work in the business world and give technical assistance to computer systems end users in businesses and organizations. The hands-on approach in the CIT curriculum provides students with a broad understanding of core business functions and provides the skill sets required for computer support specialists, help-desk support, network and computer systems administration, and computer security. Ferris's CIT program is designed to align with industry standards established by computing professionals and students are prepared to earn industry certifications such as CompTIA's A+, Network+, Linux+, Security+, and others.

The Bachelor of Science in Computer Information Technology is accredited by the Accreditation Council for Business Schools & Programs (ACBSP). (<https://acbsp.org/>)

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.

Communication Competency

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
COMM 121	Fundamentals of Public Speaking	3	COM 201	Public Speaking	3
ENGL 150	English 1	3	ENG 101	English Composition	3
ENGL 250	English 2	3	ENG 102	English Composition	3
ENGL 311 or ENGL 325	Advanced Technical Writing or Advanced Business Writing	3	No Equivalent	No Equivalent	0

Quantitative Literacy – see below or Official Pre-2016 Math SAT Score of 560 or Higher, Official Post-2016 Math SAT Score of 580 or Higher, Official Math ACT Score of 24 or Higher

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
MATH 114 or MATH 115	Quantitative Reasoning for Pro 2 or Intermediate Algebra	3-4	No Equivalent or MATH 100A or MATH 109	No Equivalent or Intermediate Algebra or College Algebra with Applications	4

Natural Sciences Competency – 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.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Natural Sciences Electives	6	Varies	Varies	6

Culture Competency – Three courses are required with a minimum of 9 credits: must be from 2 different disciplines, have at least 1 at FSU 200 level or higher course, and have no more than 5 credits from Cultural Competency Activities.

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Culture Electives	9	Varies	Varies	3

Self and Society Competency – Three courses are required with a minimum of 9 credits: must be from 2 different disciplines, have at least 1 at FSU 200 level or higher course.

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
ECON 201	Principles of Microeconomics	3	ECON 102A	Principles of Microeconomics	4
ECON 202	Principles of Macroeconomics	3	ECON 101A	Principles of Macroeconomics	4
Varies	Self and Society Elective	3	Varies	Varies	3

Computer Information Technology degree students must complete **39 to 41** General Education credits to meet College of Business and University requirements.

Students are encouraged to work with an advisor to select appropriate general education courses or may visit www.ferris.edu/gened

Diversity Competency – 2 Courses Required

If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following:

- 1 course with the Global Diversity attribute
- 1 course with the U.S. Diversity attribute

College Requirements – 81 Credits Required**Business Core Requirements – 30 Credits Required**

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
ACCT 201	Principles of Financial Acct.	3	ACC 201	Principles of Accounting 1	4
ACCT 202	Principles of Managerial Acct.	3	ACC 202	Principles of Accounting 2	4
STQM 260	Introduction to Statistics	3	MATH 115A	Probability and Statistics	4
MGMT 301	Applied Management	3	BUS 122	Principles of Management	3
BLAW 321	Contracts & Sales	3	No Equivalent	No Equivalent	0
MKTG 321	Principles of Marketing	3	BUS 260	Principles of Marketing	3
MGMT 370	Quality & Operations Mgmt.	3	No Equivalent	No Equivalent	0
FINC 322	Financial Management 1	3	No Equivalent	No Equivalent	0
ISYS 321	Business Information Systems	3	No Equivalent	No Equivalent	0
BUSN 499	Integrating Experience	3	No Equivalent	No Equivalent	0

Major Courses – 51 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
ISYS 110	Fundamentals of Programming Design & Logic	3	CIS 185	C Programming	3
CITS 150	A+ Certification 1	3	CIS 109A	CompTIA A+ Part A	
CITS 160	A+ Certification 2	3	CIS 209A	CompTIA A+ Part B	
CITS 250	Windows Client Administration	3	CIS 142	Windows Client Administration	3
CITS 255	Windows Server 1	3	CIS 143A	Windows Server Admin 1	3
CITS 260	Windows Server 2	3	CIS 283B	Windows Server Admin 2	
CITS 270	Network+	3	CIS 183	Networking Technologies	3
CITS 280	Linux+ Administration	3	CIS 275	Linux Operating System	3
CITS 320	Security+ Administration	3	CIS 293A	Network Security	3
PROJ 320	Project Management Fundamentals	3	No Equivalent	No Equivalent	0
CITS 360	Windows Server 3	3	No Equivalent	No Equivalent	0
CITS 370	Virtual System Administration	3	No Equivalent	No Equivalent	0
CITS 480	Senior Project & Capstone	3	No Equivalent	No Equivalent	0
CITS 491	*CIT Internship	3	No Equivalent	No Equivalent	0

Directed Electives

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Varies	9	Varies	Approved CC Directive Electives: BUS 220, CIS 104, CIS 105, CIS 120A, CIS 121, CIS 124, CIS 131, CIS 143, CIS 153A, CIS 162, CIS 170, CIS 185, CIS 198, CIS 199, CIS 202, CIS 244, CIS 250, CIS 253A, CIS 257A, CIS 258, CIS 267PHP, CIS 270A, CIS 280 and CIS 284. (Note: This is only pre-approved Directive Electives, see your FSU faculty advisor to determine additional options.)	9

*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.

Total Credits Required for Degree	120 - 122
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To fulfill the residency requirement for a bachelor's degree a student must earn a minimum of 30 credits from Ferris State University.

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

(231) 591-2434 | afis@ferris.edu | www.ferris.edu/cob

Ferris Statewide – Muskegon*

(616) 451-4777 | FerrisMuskegon@ferris.edu | www.ferris.edu/statewide | [Financial Aid Consortium Eligible](#)

*Muskegon students take their Ferris classes at the Grand Rapids location

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).

Ferris State University and Muskegon Community College – Computer Information Technology –Transfer Guide

Effective 2022-2023

Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit ferris.edu/non-discrimination.

General Admission Criteria

New Student Admission Requirements for incoming freshman refer to the Ferris Catalog www.ferris.edu/catalog

Transfer Students

- Combined college or university GPA of 2.35 (on a 4.00 scale) from all institutions attended. GPA 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 or 115 or placement during the first semester at FSU which would require an ACT MATH score of 19 or higher; SAT MATH of 500 or higher; or Accuplacer Math scores: Elementary Algebra score 75 or higher and College Level Math 0-49.

Degree Completion at the Community College through Ferris Statewide

- Minimum 48 transferable credit hours (C or higher) from an accredited college or university.

Steps to Apply

- Complete a free application at www.ferris.edu/apply.
 - Submit Official transcripts from every school attended to transfer@ferris.edu or
 - Ferris State University Admissions Office, 1201 S. State St, CSS 201, Big Rapids, MI 49307
- Submit Test Scores (if required)
 - ACT Scores; go to www.act.org. Ferris State University School Code: 1994
 - SAT, CLEP and AP Scores; go to www.collegeboard.org. Ferris State University School Code: 1222

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, transfer policies and have any questions answered prior to completing an application. Ferris accepts transfer courses in which the student earned a letter grade of "C" or better. Additional policies such as the Ferris Sunset and Residency Requirement should be discussed with a Ferris advisor. 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. Students must work with their Ferris advisor to declare a Minor or Concentration and for selection of Directed Electives.

Once admitted, students are required to complete an orientation and should continue to meet with an advisor as they work toward graduation.

To schedule an appointment or for additional transfer resources and policies see our Transfer Resource page at www.ferris.edu/transfer/collegetransfer.

**Indicates an approved Ferris course substitution*

Reverse Transfer Agreement

Ferris has reverse transfer agreements with several Michigan Community Colleges. Under such agreement, Ferris will provide your official University transcript to a partner school you have attended, so that they MAY grant you an associate or bachelor degree upon completion of sufficient and appropriate credit hours from both institutions. In turn, the degree granting institution will provide Ferris with an updated transcript reflecting the newly earned credential.

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.

Disclaimer

Transfer guides are not intended to be a contract with Ferris. The information on this guide is subject to change and is aligned to the catalog year listed above. **Students should contact their community college and/or Ferris to keep informed of changes.** Students' final responsibility for verifying all transfer information lies with the student. Please refer to the Ferris catalog for the most current curriculum www.ferris.edu/catalog.

Partners may contact the Transfer Services Center with questions or updates at transferguidesarticulations@ferris.edu.