

Muskegon Community College (MCC)

Articulation Agreement and Transfer Guide

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.	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 1	3
ENGL 250 or ENGL 211	English 2 or Industrial and Career Writing	3	ENG 102 or BCOM 102	English Composition 2 or Advanced Business Technical Communication	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.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
MATH 114 or MATH 115	Quantitative Reasoning for Professionals or Intermediate Algebra	4 or 3	No Equivalent or MATH 100A or MATH 109 or MATH 111	No Equivalent or Intermediate Algebra or College Algebra with Applications or Algebra with Coordinate Geometry	 3

Natural Sciences Competency Requirements – 1 course with lab

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	FSU General Education – Natural Sciences electives	6	Varies	Varies	6 - 7

Self and Society Competency Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
ECON 221	Principles of Economics 1	3	ECON 101A	Principles of Macroeconomics	4
ECON 222	Principles of Economics 2	3	ECON 102A	Principles of Microeconomics	4
Varies	FSU General Education – Self and Society Elective – Non-Economics	3	Varies	Varies	3

Culture Competency Requirements - Minimum 9 credits from two different disciplines with one course at 200 level or higher

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

Additional General Education Requirements

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

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

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.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
ACCT 201	Principles of Accounting 1	3	ACC 201	Principles of Accounting 1	4
ACCT 202	Principles of Accounting 2	3	ACC 202	Principles of Accounting 2	4
BLAW 321	Contracts & Sales	3	No Equivalent	No Equivalent	No Equivalent
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	BUS 122	Principles of Management	3
MGMT 370	Quality/Operations Management	3	No Equivalent	No Equivalent	No Equivalent
MKTG 321	Principles of Marketing	3	BUS 260	Principles of Marketing	3
STQM 260	Introduction to Statistics	3	BUS 105	Business Statistics	3

Major Requirements

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
CITS 150	A+ Certification 1	3	CIS 109	Personal Computer Maintenance	2
CITS 160	A+ Certification 2	3	CIS 209	PC Maintenance 2 – A+ Certification	3
CITS 250	Windows Client Administration	3	CIS 142	Operating Systems Concepts	3
CITS 255	Windows Server Active Directory	3	CIS 143	Intro. To Local Area Networks	3
CITS 260	Windows Server Infrastructure	3	CIS 283A	Advanced Local Area Network Administration Using Windows Server 2003	3
CITS 270	Network+	3	CIS 183	Networking Technologies	3
CITS 280	Linux+ Administration	3	CIS 275	Linus Operating Systems	3
CITS 320	Security+ Administration	3	CIS 293A	Network Security	3
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	CIS 185	"C" Programming	3
PROJ 320	Project Management	3	No Equivalent	No Equivalent	No Equivalent

Directed Electives

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Varies	6	Varies	Approved MCC 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 177DW, CIS 185, CIS 193A, CIS 198, CIS 199, CIS 202, CIS 203, CIS 244, CIS 250, CIS 253A, CIS 257A, CIS 258, CIS 267PHP, CIS 270A, CIS 277, CIS 280, CIS 284, and CIS 286. (Note: This is only pre-approved Directive Electives, see your FSU faculty advisor to determine additional options.)	6

Total Credits Required for Degree	121
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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).

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

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.

Program Contact Information:

Main Campus, Big Rapids

College of Business

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

Ferris Statewide – Muskegon

(231) 777-0510 | [Ferris Muskegon Email](#) | [Ferris Statewide Website](#)

[Transfer Partnerships Website](#)

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

Effective May 15, 2019 – May 15, 2022 Fall 2019 – updated equivalent for ISYS 110 to CIS 185

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

Delivery Locations

This degree and the Ferris courses are offered at the following locations:

- Ferris State University, Big Rapids Campus, Big Rapids, MI
- Ferris State University, Muskegon
- 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.

the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

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.

Original Signed Articulation Agreement

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at 231/591-5983 or email your request to transfercenter@ferris.edu.

This Agreement may be executed in counterparts, each of which shall be deemed an original, but all of which together shall be deemed to be one and the same agreement. A signed copy of this Agreement delivered by facsimile, e-mail, or other means of electronic transmission shall be deemed to have the same legal effect as delivery of an original signed copy of this Agreement.

Indemnification

To the extent permitted by law, Ferris State University and the Community College agree to indemnify and hold one another harmless from any and all claims initiated by student participants, their parents, survivors, or agents, arising from any negligent acts or omission on the part of either institution or any of their employees.

Articulation Agreement

Effective Dates: May 15, 2019 – May 15, 2022

This Agreement shall commence as of May 15, 2019 and shall be for an initial term of three years. Minor updates to the agreement may be made during this time. This agreement may be renewed at the end of three years. Either party may terminate this agreement by providing the other party with written notice of the intent to terminate the agreement. The agreement shall terminate not less than one hundred eighty (180) days from the date of the termination notice, unless otherwise agreed in writing by both parties.

Signatures

Ferris State University
1201 S. State Street
Big Rapids, MI 49307
Phone: (231) 591-2000

Muskegon Community College
221 South Quarterline Road
Muskegon, MI 49442-1493
Phone: (231) 773-9131

May 15, 2019

David M. Nicol
Dean
College of Business

May 15, 2019

Kelley Conrad
Vice President
Academic Affairs

May 15, 2019

Lawrence Bajor
Chair
Accountancy, Finance & Information Systems Department

May 15, 2019

David Stradal
Chair
Business Department

May 15, 2019

Mark Verhoeven
Faculty
Computer Information Technology