

Lansing Community College (LCC)  
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 Course Requirements**

| FSU Course           | FSU Course Title                                        | FSU Cr. Hrs. | LCC Equiv.    | LCC Course Title                | LCC Cr. Hrs.  |
|----------------------|---------------------------------------------------------|--------------|---------------|---------------------------------|---------------|
| COMM 121             | Fundamentals of Public Speaking                         | 3            | COMM 130      | Fundamentals of Public Speaking | 3             |
| ENGL 150             | English 1                                               | 3            | ENGL 121      | Composition 1                   | 4             |
| ENGL 250             | English 2                                               | 3            | ENGL 122      | Composition 2                   | 4             |
| ENGL 311 or ENGL 325 | Advanced Technical Writing or Advanced Business Writing | 3            | No Equivalent | No Equivalent                   | No Equivalent |

**Quantitative Literacy Course Requirements**

| FSU Course           | FSU Course Title                                          | FSU Cr. Hrs. | LCC Equiv.                          | LCC Course Title                                                 | LCC Cr. Hrs. |
|----------------------|-----------------------------------------------------------|--------------|-------------------------------------|------------------------------------------------------------------|--------------|
| MATH 114             | Quantitative Reasoning for Professionals or               | 4            | MATH 119                            | Math – Applications for Living                                   | 4            |
| MATH 115 + MATH 1—   | Intermediate Algebra                                      | 3            | MATH 109 or MATH 112 or MATH 120 or | Fast Track Algebra or Intermediate Algebra or College Algebra or |              |
| MATH 1-Q or MATH 117 | MATH 1-Q General Quantitative or Contemporary Mathematics | 4            | MATH 121 or MATH 119                | Precalculus 1 or Math – Applications for Living                  |              |

MATH 119, 120, or 121 will meet MTA and program requirements at both LCC and FSU. MATH 109 and 112 will only meet program requirements at FSU.

**Natural Sciences Competency Course Requirements – Minimum 6 credits 1 course with lab**

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

**Self and Society Competency Course Requirements**

| FSU Course | FSU Course Title                                                           | FSU Cr. Hrs. | LCC Equiv. | LCC Course Title             | LCC Cr. Hrs. |
|------------|----------------------------------------------------------------------------|--------------|------------|------------------------------|--------------|
| ECON 201   | Principles of Microeconomics                                               | 3            | ECON 201   | Principles of Econ 2 – Micro | 4            |
| ECON 202   | Principles of Macroeconomics                                               | 3            | ECON 202   | Principles of Econ 1 – Macro | 4            |
| Varies     | FSU General Education – Self and Society Elective – Non-Economics Elective | 3            | Varies     | Varies                       | 3            |

**Culture Competency Course Requirements - Minimum 9 credits from two different disciplines with one 200 level**

| FSU Course | FSU Course Title                         | FSU Cr. Hrs. | LCC Equiv. | LCC Course Title | LCC Cr. Hrs. |
|------------|------------------------------------------|--------------|------------|------------------|--------------|
| Varies     | FSU General Education – Culture Elective | 9            | Varies     | Varies           | 9            |

**Additional General Education Course Requirements**

| FSU Course | FSU Course Title | FSU Cr. Hrs. | LCC Equiv. | LCC Course Title | LCC Cr. Hrs. |
|------------|------------------|--------------|------------|------------------|--------------|
| Varies     | General Elective | 3            | Varies     | General Elective | 3            |
| Varies     | General Elective | 1            | Varies     | General Elective | 1            |

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.

## 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

## Business Core Requirements

| FSU Course | FSU Course Title                   | FSU Cr. Hrs. | LCC Equiv.    | LCC Course Title           | LCC Cr. Hrs.  |
|------------|------------------------------------|--------------|---------------|----------------------------|---------------|
| ACCT 201   | Principles of Accounting 1         | 3            | ACCG 210      | Principles of Accounting 1 | 4             |
| ACCT 202   | Principles of Accounting 2         | 3            | ACCG 211      | Principles of Accounting 2 | 4             |
| BLAW 321   | Contracts & Sales                  | 3            | LEGL 216      | Business Law, Commercial   | 3             |
| BUSN 499   | Interdisciplinary Integrating Exp. | 3            | No Equivalent | No Equivalent              | No Equivalent |
| FINC 322   | Financial Mgmt. 1                  | 3            | No Equivalent | No Equivalent              | No Equivalent |
| ISYS 321   | Business Information Systems       | 3            | No Equivalent | No Equivalent              | No Equivalent |
| MGMT 301   | Applied Mgmt.                      | 3            | MGMT 225      | Principles of Mgmt.        | 3             |
| MGMT 370   | Quality/Operations Mgmt.           | 3            | No Equivalent | No Equivalent              | No Equivalent |
| MKTG 321   | Principles of Marketing            | 3            | MKTG 200      | Principles of Marketing    | 3             |
| STQM 260   | Introduction to Statistics         | 3            | STAT 170      | Intro. to Statistics       | 4             |

## Major Requirements - A 2.5 GPA is required for these courses

| FSU Course               | FSU Course Title                                | FSU Cr. Hrs. | LCC Equiv.              | LCC Course Title                                             | LCC Cr. Hrs.  |
|--------------------------|-------------------------------------------------|--------------|-------------------------|--------------------------------------------------------------|---------------|
| CITS 150 and<br>CITS 160 | A+ Certification 1 and<br>A+ Certificate 2      | 3 and<br>3   | CITS 125                | Computer Support A+ Cert. Prep.                              | 6             |
| CITS 250                 | Windows Client Administration                   | 3            | No Equivalent           | No Equivalent                                                | No Equivalent |
| CITS 255                 | Windows Server 1                                | 3            | CITN 256                | Identity with Windows Server                                 | 3             |
| CITS 260                 | Windows Server 2                                | 3            | CITN 253                | Networking with Windows Server                               | 3             |
| CITS 270                 | Network+                                        | 3            | CITN 220 or<br>CITS 225 | Introduction to Networks or<br>Networking for PC Technicians | 3             |
| CITS 280                 | Linux+ Administration                           | 3            | CITN 230                | Linux/Unix Operating System                                  | 3             |
| CITS 320                 | Security+ Administration                        | 3            | CITN 280                | IT Security Foundations                                      | 3             |
| CITS 360                 | Windows Server 3                                | 3            | CITN 250                | Microsoft Network Server                                     | 3             |
| CITS 370                 | Virtual Systems Administration                  | 3            | No Equivalent           | No Equivalent                                                | No Equivalent |
| CITS 480                 | Senior Project and Capstone                     | 3            | No Equivalent           | No Equivalent                                                | No Equivalent |
| CITS 491                 | CIT Internship                                  | 3            | No Equivalent           | No Equivalent                                                | No Equivalent |
| ISYS 110                 | Fundamentals of Programming<br>Design and Logic | 3            | CITP 110                | Intro. Computer Programming                                  | 3             |
| PROJ 320                 | Project Mgmt.                                   | 3            | CITF 240                | IT Project Mgmt.                                             | 3             |

*CIT Internship not required with 1+ year work experience in field. Credits will be substituted with directive elective (See FSU advisor).*

## Directed Electives

| FSU Course | FSU Course Title | FSU Cr. Hrs. | LCC Equiv.                       | LCC Course Title                                                                                                                                                   | LCC Cr. Hrs. |
|------------|------------------|--------------|----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| Varies     | Varies           | 6            | CITN 222<br>CITS 176<br>CITW 175 | Approved LCC Directive Electives:<br>(Note: This is only pre-approved<br>Directive Electives, see your FSU<br>faculty advisor to determine<br>additional options.) | 6            |

|                                          |            |
|------------------------------------------|------------|
| <b>Total Credits Required for Degree</b> | <b>121</b> |
|------------------------------------------|------------|

**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 Delivery Locations and Contact Information:

### Main Campus, Big Rapids

### College of Business

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

[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

### 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 or 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.
- ***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 the CIS / CIT program. Exceptions to this rule may be considered by petitioning the program coordinator.***

### Graduation Requirements

#### **In addition to meeting all the programmatic requirements, students must:**

1. Meet University General Education requirements.
2. Students must pass the COMP TIA A+ certification and two other third-party certifications pre-approved by their advisor.
3. Earn a minimum of 120 credits.
4. Maintain a 2.0 or higher cumulative FSU GPA.
5. Earn 30 credits from FSU (Residency).
6. Earn 40 credits of 300 level or higher courses.
7. Maintain a 2.00 cumulative GPA in the business core and the major.
8. Earn 40% of their total credits required for graduation in General Education courses to meet the College of Business ACBSP accreditation requirements. The University requires all BS Degrees be a minimum 120 credits. When meeting the 40% requirement, programs can use 6 credits from the Business Core in the calculation. To meet the ACBSP, 40% General Education requirement, a 120 credit program would consist of 42 general education credits, 30 business core credits, and 48 credits in the major.

### 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

Lansing 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 Lansing 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](mailto: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.

### **Articulation Agreement**

#### **Effective Dates: September 1, 2020 – September 1, 2023**

This Agreement shall commence as of September 1, 2020 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

Lansing Community College  
411 North Grand Avenue  
Lansing, MI 48933  
Phone: (517) 483-1957