

Lansing Community College (LCC)  
Articulation Agreement and Transfer Guide

The Computer Information Systems Bachelor of Science degree offered through the College of Business at Ferris prepares students to be team leaders in the development and maintenance of Business Information Systems. Starting positions include application programmer/analyst, business analyst, systems analyst, networking administrators, consultants, software developers, computer support specialist, systems administrators, project leaders and web developers.

To assure relevance and enduring value, our Computer Information Systems (CIS) program has been designed to align with the national standard (IS2002) established by computing professionals. In addition, we have drawn upon our tight linkages with industry to assure that our labs and our required internships provide the level of hands-on experience that ensures our students are sought after by employers who recognize Ferris as a source of skilled, knowledgeable IS/IT graduates that can hit the ground running and grow from there.

Computers and Information Systems have become essential to all aspects of business and life. Professionals are needed to relate the problem-solving abilities of a computer system to an individual business department, corporation, or multi-national enterprise.

This program has close relationships with the IT industry through a program advisory board, and requires internships as a practical hands-on experience. The hands-on approach in the bachelor degree gives graduates a real-world look at their professional field.

**Communication Competency 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 Requirements**

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

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 Requirements – 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 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	3	Varies	Varies	3

**Culture Competency 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 electives	9	Varies	Varies	9

**Additional General Education Requirements**

FSU Course	FSU Course Title	FSU Cr. Hrs.	LCC Equiv.	LCC Course Title	LCC Cr. Hrs.
ISYS 330	Systems Analysis and Design 1	3	No Equivalent	No Equivalent	No Equivalent

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

**Computer Information Systems** 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
STQM 260	Introduction to Statistics	3	STAT 170	Intro. to Statistics	4
MGMT 301	Applied Management	3	MGMT 225	Principles of Mgmt.	3
BLAW 321	Contracts & Sales	3	LEGL 216	Business Law, Commercial	3
ISYS 321	Business Information Systems	3	No Equivalent	No Equivalent	No Equivalent
MKTG 321	Principles of Marketing	3	MKTG 200	Principles of Marketing	3
FINC 322	Financial Management 1	3	No Equivalent	No Equivalent	No Equivalent
MGMT 370	Quality/Operations Management	3	No Equivalent	No Equivalent	No Equivalent
BUSN 499	Interdisciplinary Integrating Exp.	3	No Equivalent	No Equivalent	No Equivalent

**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.
ISYS 110	Fundamentals of Programming Design and Logic	3	CITP 110	Intro. Computer Programming	4
ISYS 216	Introduction Java Programming	3	CITP 190	Intro. Programming Java	4
ISYS 221	Mobile Application Development	3	CITP 230 or CITP 235	Mobile App Development for Android or Mobile App Development for Apple	4
ISYS 272	Fundamentals of Database Systems	3	No Equivalent	No Equivalent	No Equivalent
ISYS 288	Web Application Development	3	CITW 165	Web Development JavaScript	3
ISYS 316	Advanced Java Programming	3	CITP 290	Adv. Java Programming	4
ISYS 327	Operating Systems and Network Essentials	3	No Equivalent	No Equivalent	No Equivalent
ISYS 372	Advanced Database Systems	3	No Equivalent	No Equivalent	No Equivalent
ISYS 431	Systems Analysis and Design 2	3	No Equivalent	No Equivalent	No Equivalent
ISYS 482	Enterprise Integration and Business Process Design	3	No Equivalent	No Equivalent	No Equivalent
ISYS 489	Senior Capstone	3	No Equivalent	No Equivalent	No Equivalent
ISYS 491	Internship (Junior Status)	3	No Equivalent	No Equivalent	No Equivalent
PROJ 320	Project Management	3	CITF 240	IT Project Mgmt.	3

*CIS 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	12	CITD 100 CITW 185 CITP 220 CITP 235 CITP 250 CITP 280 CIT 185	Approved LCC Directive Electives: (Note: This is only pre-approved Directive Electives, see your FSU faculty advisor to determine additional options.)	5 - 8

<b>Total Credits Required for Degree</b>	<b>124 - 125</b>
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**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](#) | [College of Business 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).*

**Ferris State University and Lansing Community College – Computer Information Systems – Articulation Agreement and Transfer Guide**

Effective September 1, 2020 - September 1, 2023

*Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit [ferris.edu/non-discrimination](http://ferris.edu/non-discrimination).*

## 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.

### Graduation Requirements

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

1. Meet University General Education requirements.
2. Earn a minimum of 120 credits.
3. Maintain a 2.00 or higher cumulative FSU GPA.
4. Earn 30 credits from FSU (Residency).
5. Earn 40 credits of 300 level or higher courses.
6. Maintain a 2.00 cumulative GPA in the business core and the major.
7. 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