

Ferris Program: Computer Information Systems

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Northwestern Michigan College

Consortium Eligible: Yes

Total Credits Required: 123-124

Catalog Year: 2026-2027

GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

Students 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 and 1 course with the U.S. Diversity attribute.

Visit the Ferris State [general education page](#) for more information.

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|---|---------------------|-----------------|
| COMM 121 | Fundamentals of Public Speaking | 3 | COM 111 |
| ENGL 150 | English 1 | 3 | ENG 111 |
| ENGL 250 | English 2 | 3 | ENG 112 |
| ENGL 311 or ENGL 325 | Advanced Technical Writing or Advanced Business Writing | 3 | No Equivalent |

Quantitative Literacy Competency

Requirements for Quantitative Literary Competency can be met with the following:

- 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

Students must substitute General Education elective credits for MATH 114 or 115 if their Math ACT score is 24 or higher or their SAT score is 580 or higher.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|--------------------|
| MATH 114 or MATH 115 | Quantitative Reasoning for Professionals 2 or Intermediate Algebra | 4 or 3 | MTH 120 or MTH 111 |

Natural Sciences Competency

Two courses are required with a minimum of 6 credits: must have at least one lab course.

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-------------------------------|---------------------|-----------------|
| Varies | Natural Sciences Electives | 6 | Varies |

Culture Competency

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------|---------------------|-----------------|
| Varies | Culture Electives | 9 | Varies |

Self and Society Competency

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------------------|---------------------|-----------------|
| ECON 201 | Principles of Microeconomics | 3 | ECO 202 |
| ECON 202 | Principles of Macroeconomics | 3 | ECO 201 |
| Varies | Self and Society Elective | 3 | Varies |

COLLEGE REQUIREMENTS – 84 Credits Required

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.

Business Core Requirements

30 Credits Required. These courses are used to calculate the core 2.00 GPA requirement.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| ACCT 201 | Principles of Financial Accounting | 3 | ACC 121 |
| ACCT 202 | Principles of Managerial Accounting | 3 | ACC 123 |
| STQM 260 | Introduction to Statistics | 3 | MTH 131 |
| MGMT 301 | Applied Management | 3 | MGT 241 |
| BLAW 321 | Contracts and Sales | 3 | No Equivalent |
| MKTG 321 | Principles of Marketing | 3 | MKT 201 |
| MGMT 370 | Quality and Operations Management | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------|---------------------|-----------------|
| FINC 322 | Financial Management 1 | 3 | No Equivalent |
| ISYS 321 | Business Information Systems | 3 | No Equivalent |
| BUSN 499 | Integrating Experience | 3 | No Equivalent |

Major Courses

54 Credits Required. These courses are used to calculate the core 2.00 GPA requirement.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|--------------------|
| ISYS 110 | Fundamentals of Programming Design and Logic | 3 | CIT 110 or CIT 135 |
| ISYS 188 | Web Design and Development | 3 | CIT 180 |
| ISYS 216 | Introduction to Programming | 3 | CIT 195 |
| ISYS 221 | Mobile Application Development | 3 | No Equivalent |
| ISYS 272 | Fundamentals of Database Systems | 3 | CIT 178 |
| ISYS 288 | Web Application Development | 3 | CIT 218 |
| ISYS 316 | Advanced Programming | 3 | CIT 255 |
| PROJ 320 | Project Management Fundamentals | 3 | CIT 233 |
| ISYS 327 | Operating Systems and Network Essentials | 3 | No Equivalent |
| ISYS 330 | Systems Analysis and Design 1 | 3 | CIT 280 |
| ISYS 372 | Advanced Database Systems Administration | 3 | CIT 228 |
| ISYS 431 | Systems Analysis and Design 2 | 3 | No Equivalent |
| ISYS 482 | Enterprise Integration and Business Process Design | 3 | No Equivalent |
| ISYS 489 | Senior Capstone | 3 | No Equivalent |
| * ISYS 491 | Computer Information Systems Internship | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| Varies | Directed Elective (Advisor Approval) | 9 | Varies |

*CIS Internship not required with 1+ year work experience in field. Credits will be substituted with directed elective (Advisor Approval).

PROGRAM CONTACT INFORMATION

College of Business

Accountancy, Finance, & Info Systems Department
(231) 591-2434
AFIS@Ferris.edu

Ferris Statewide - Northwestern Michigan College

(231) 995-1734
FerrisNorth@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

2.50 High School GPA (on a 4.00 scale)

- SAT Scores Two of the Three Criteria:

1. ERW SAT score of 450 or higher.
2. Math SAT score of 500 or higher. Placement in MATH 109 or 110 will be considered (Math SAT score of 480 or higher).
3. Composite SAT of 900 or higher.

- ACT Scores Two of the Three Criteria:

1. English ACT score of 16 or higher.
2. Math ACT score of 19 or higher.
3. Reading ACT score of 19 or higher.

Transfer Student Admission Requirements

- 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.
- The degree completion program at a statewide and online location requires 48 transferable semester credits to be admitted.
- Transfer equivalency for Ferris State University's ENGL 150 or placement during the first semester at Ferris State University which would require an English ACT score of 16 or higher; or ERW SAT score of 450 or higher; or English Accuplacer score of 6 or higher.
- Transfer equivalency for Ferris State University's MATH 114 or 115 or placement during the first semester at Ferris State University which would require a Math ACT score of 19 or higher; Math SAT of 500 or higher; or Math Accuplacer scores: Elementary Algebra score 75 or higher and College Level Math 0 to 49.

MORE INFORMATION

To fulfill the residency requirement for a bachelor's degree a student must earn a minimum of 30 credits from Ferris State University.

Steps to Apply

- Complete your [free application](#).

FERRIS STATE UNIVERSITY

- Submit official transcripts
 - Submit official transcripts from every school attended to Transfer@Ferris.edu
 - Or mail to:
Ferris State University Admissions Office
1201 S. State St., CSS 201
Big Rapids, MI 49307
- Submit test scores (if required)
 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
 - SAT, CLEP and AP Scores; go to the [College Board website](#) - 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 coursework 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 the 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](#).

*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's 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.

Transfer Equivalencies Tools

The transfer equivalencies link is located in the Transfer Resources section at transfer.ferris.edu.

Disclaimer

Transfer guides are not intended to be a contract with Ferris. The information in this guide is subject to change and is aligned with the catalog year listed above. Students should contact their community college and/or

FERRIS STATE UNIVERSITY

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.

Partners may contact the Office of Transfer and Secondary School Partnerships with questions or updates at TransferGuidesArticulations@Ferris.edu.