

FERRIS STATE UNIVERSITY

ALLIED HEALTH SCIENCES TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Allied Health Sciences
Degree Type: Bachelor of Science
Ferris College: College of Health Professions
Transfer School: Muskegon Community College (MUSKCC)
Consortium Eligible: Yes
Total Credits Required: 120-121
Catalog Year: 2024-2025

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 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	No Equivalent or COM 201 or No Equivalent
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 321	Advanced Composition	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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 115 or MATH 116 or MATH 117	Intermediate Algebra or Intermediate Algebra and Numerical Trigonometry or Contemporary Mathematics	3-4	MATH 100A or MATH 109 or MATH 107A

Natural Sciences Competency

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

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Natural Sciences Electives (Consult Advisor)	6	Varies

Culture Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Cultural Electives (Consult Advisor)	9	Varies

Self and Society Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives (Consult Advisor)	9	Varies

COLLEGE REQUIREMENTS – 81 Credits Required

College of Health Professions (COHP) Core Curriculum

12 Credits Required

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 300	Health Informatics	3	No Equivalent
COHP 350	Statistics for Health Care	3	No Equivalent
COHP 471	Trends in Health Care	3	No Equivalent
COHP 499	Capstone Project	3	No Equivalent

Major Courses

19 Credits Required - select from the following.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 317	Public Health Organizations	2	No Equivalent
PHIL 320	Biomedical Ethics	3	PHIL 204
PUBH 320	Nutrition and Health	3	No Equivalent
COHP 330	OSHA Law	2	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
HCSA 336	Health Care Supervisory Practices	3	No Equivalent
SOCY 340	Race and Ethnicity in the United States	3	No Equivalent
PSYC 345	Psychology Death and Dying	3	No Equivalent
COHP 351	Introduction to Gerontology	3	No Equivalent
COHP 352	Health and Physical Aspects of Aging	3	No Equivalent
COHP 353	Health Care for Older Adults	3	No Equivalent
COHP 354	Policies, Issues, and Trends in Aging	3	No Equivalent
COHP 450	Evidence-Based Health Care	3	No Equivalent

Professional and Clinical Courses

50 Credits Required (Advisor Approval)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Professional and Clinical Courses (Advisor Approval)	50	Varies

PROGRAM CONTACT INFORMATION

College of Health Professions

Department of Health Administration and Health Information

(231) 591-2270

CHP@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

Ferris Online

(231) 591-2340

Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- Must be enrolled in an associate degree program within the College of Health Professions or have completed an associate degree in a health specialty from an accredited college or university.

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- 2.70 High School GPA (on a 4.00 scale) (2.50 -2.69 with college approval)
- Minimum Composite Score of ACT 18/SAT 950 OR 3.0 High School GPA (on a 4.00 scale) and Composite ACT 17/SAT 900

Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Students must have previously earned an associate degree in a health specialty from an accredited college or university or be enrolled within an associate degree program within the College of Health Professions at Ferris State University.
- 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

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 a statewide location).

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](#).
- 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

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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

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

ASSET

AUTOMOTIVE MANAGEMENT (2+2) OPTION TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Automotive Management (2+2) Option

Degree Type: Bachelor of Science

Ferris College: College of Engineering Technology

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

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.

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Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	COM 201
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 311	Advanced Technical 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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 115 or MATH 117	Intermediate Algebra or Contemporary Mathematics	3 or 4	MATH 100A or MATH 107 or MATH 109

Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PHYS 130	Concepts in Physics	4	No Equivalent
Varies	Natural Sciences Elective	3 or 4	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.

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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives	9	Varies

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COLLEGE REQUIREMENTS – 81 Credits Required

Major Courses

38 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
AMGT 300	Automotive Foundations	4	No Equivalent
AMGT 301	Automotive Marketing and Distribution 1	4	No Equivalent
AMGT 302	Automotive Marketing and Distribution 2	4	No Equivalent
AMGT 303	Automotive Accounting	4	No Equivalent
AMGT 360	Automotive Culture	3	No Equivalent
AMGT 401	Management of Fixed Operations	4	No Equivalent
AMGT 402	Management of Variable Operations	4	No Equivalent
AMGT 404	Warranty and Customer Relations	3	No Equivalent
AMGT 460	Internet and Social Media Marketing	3	No Equivalent
AMGT 493	Automotive Management Internship	4	No Equivalent
AMGT 499	Automotive Management Capstone	1	No Equivalent

Technical Related Courses

3 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
BLAW 301	Legal Environment of Business	3	No Equivalent

Additional Requirements

40 Credits Required. Students must have 40 credits in Auto Body (ABOD), Automotive (AUTO), or Heavy Equipment (HEQT) courses from their associate degree.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	ABOD, AUTO, or HEQT Associate Degree Credits (Advisor Approval)	40	Varies

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PROGRAM CONTACT INFORMATION

College of Engineering Technology
Automotive Management Program
(231) 591-2810
AMGT@Ferris.edu

Ferris Statewide - Muskegon Community College
(616) 451-4777
FerrisMuskegon@Ferris.edu

Ferris Online
(231) 591-2340
Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- The Automotive Management (2+2) degree is only open to students who meet the Transfer Student Admission Requirements below.
- High school students interested in this program apply to the Automotive Management (0 to 4) program.

Transfer Student Admission Requirements

- Combined college or university GPA of 2.30 (on a 4.00 scale) from all institutions attended.
- Students must have previously earned an associate degree in automotive, auto body, heavy equipment, or related field.
- Graduates of manufacturer or dealership co-op programs also qualify for admission into this program.
- Placement into MATH 115 or higher
- Placement into ENGL 150 or higher

MORE INFORMATION

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 a statewide location).

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Steps to Apply

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Big Rapids, MI 49307
- Submit test scores (if required)
 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
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Advising Notes

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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.

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*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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Michigan Transfer Agreement (MTA)

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Transfer Equivalencies Tools

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BUSINESS ADMINISTRATION TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Business Administration

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 120-121

GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

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

Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	No Equivalent or COM 201 or No Equivalent
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 325	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	No Equivalent or MATH 100A or MATH 109

Natural Sciences Competency

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

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

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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	ECON 102A
ECON 202	Principles of Macroeconomics	3	ECON 101A
Varies	Self and Society Elective	3	Varies

COLLEGE REQUIREMENTS – 81 Credits Required

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 201
ACCT 202	Principles of Managerial Accounting	3	ACC 202
STQM 260	Introduction to Statistics	3	MATH 115A
MGMT 301	Applied Management	3	BUS 122
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	BUS 260
MGMT 370	Quality and Operations Management	3	No Equivalent
FINC 322	Financial Management 1	3	No Equivalent
ISYS 321	Business Information Systems	3	No Equivalent
BUSN 499	Integrating Experience	3	No Equivalent

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Major Courses

33 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 105	Introduction to Microcomputer Systems and Software	3	CIS 101 and CIS 115 and CIS 119 or CIS 110
RMIN 200 or PROJ 320 or Accounting (ACCT) Elective or Finance (FINC) Elective or Statistics (STQM) Elective	Foundations Risk Management and Insurance or Project Management Fundamentals or Accounting (ACCT) Elective or Finance (FINC) Elective or Statistics (STQM) Elective	3	Varies
MGMT 302	Team Dynamics and Organizational Behavior	3	BUS 222
MGMT 305	Agile Leadership	3	No Equivalent
INTB 310 or INTB 335	International Business Systems or Cross-Cultural Business	3	BUS 200 or No Equivalent
MGMT 350	Management Metrics and Decision Making	3	No Equivalent
MGMT 373	Human Resource Management	3	BUS 273A
MGMT 447	Business Ethics and Social Responsibility	3	No Equivalent
MGMT 488 or MGMT 489	Advanced Management Cases and Problems or Case Development and Research	3	No Equivalent
MGMT 491	Management Internship	3	No Equivalent
Varies	Directed Elective (Advisor Approval)	3	Varies

Minor, Certificates, or Concentration

A total of 18 credits is required with a maximum of 6 to 7 credits overlapping courses with degree that must be substituted with directed electives to meet the minimum 120 credits required. Two courses must be at the 300 level or higher. These courses are not used to calculate the major 2.00 GPA requirement. Choose one of the following: 1) An advisor approved minor; or 2) An advisor approved certificate; or 3) The BUAD Specialized Concentration.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Directed Elective (Advisor Approval)	18	Varies

PROGRAM CONTACT INFORMATION

College of Business

Management Department

(231) 591-2427

MGMT@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

Ferris Online

(231) 591-2340

Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.5 High School GPA (on a 4.0 scale)
- SAT Scores Two of the Three Criteria:
 - a. ERW SAT score of 450 or higher.
 - b. Math SAT score of 500 or higher. Placement in MATH 109 or 110 will be considered (Math SAT score of 480 or higher).
 - c. Composite SAT of 900 or higher.
- ACT Scores Two of the Three Criteria:
 - a. English ACT score of 16 or higher.
 - b. Math ACT score of 19 or higher.
 - c. 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.
- A minimum of 24 credits is required of career-specific occupational specialty courses. These courses are used to calculate the major 2.00 GPA requirement.
- 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

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BUSINESS ADMINISTRATION WITH PROFESSIONAL TRACK TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Business Administration with Professional Track

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

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.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	No Equivalent or COM 201 or No Equivalent
ENGL 150	English 1	3	ENG 101
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 102 or ENG 102
ENGL 325	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

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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	No Equivalent or MATH 100A or MATH 109

Natural Sciences Competency

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

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	ECON 102A
ECON 202	Principles of Macroeconomics	3	ECON 101A
Varies	Self and Society Elective	3	Varies

COLLEGE REQUIREMENTS – 81 Credits Required

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 201

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ACCT 202	Principles of Managerial Accounting	3	ACC 202
STQM 260	Introduction to Statistics	3	MATH 115A
MGMT 301	Applied Management	3	BUS 122
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	BUS 260
MGMT 370	Quality and Operations Management	3	No Equivalent
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

27 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 105	Introduction to Microcomputer Systems and Software	3	CIS 101 and CIS 115 and CIS119 or CIS 110
MGMT 302	Team Dynamics and Organizational Behavior	3	BUS 222
MGMT 305	Agile Leadership	3	No Equivalent
INTB 310 or INTB 335	International Business Systems or Cross-Cultural Business	3	BUS 200 or No Equivalent
MGMT 350	Management Metrics and Decision Making	3	No Equivalent
MGMT 373	Human Resource Management	3	BUS 273A
MGMT 447	Business Ethics and Social Responsibility	3	No Equivalent
MGMT 488 or MGMT 489	Advanced Management Cases and Problems or Case Development and Research	3	No Equivalent
MGMT 491	Management Internship	3	No Equivalent

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Professional Track

A minimum of 24 credits is required in career-specific occupational specialty courses. These courses are used to calculate the major 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Career-Specific Occupational Specialty Courses	24	Varies

PROGRAM CONTACT INFORMATION

College of Business

Management Department

(231) 591-2427

MGMT@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

Ferris Online

(231) 591-2340

Online@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:
 - a. ERW SAT score of 450 or higher.
 - b. Math SAT score of 500 or higher. Placement in MATH 109 or 110 will be considered (Math SAT score of 480 or higher).
 - c. Composite SAT of 900 or higher.
- ACT Scores Two of the Three Criteria:
 - a. English ACT score of 16 or higher.
 - b. Math ACT score of 19 or higher.
 - c. 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.
- A minimum of 24 credits is required of career-specific occupational specialty courses. These courses are used to calculate the major 2.00 GPA requirement.
- 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.

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MORE INFORMATION

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 a statewide location).

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](#).
- 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

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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 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.

COMPUTER INFORMATION SYSTEMS ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Computer Information Systems

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Articulation Agreement: Yes

Total Credits Required: 123-124

Catalog Year: 2023-2024

The effective dates for this articulation agreement are TBD.

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 201
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 311 or ENGL 325	Advanced Technical Writing or Advanced Business Writing	3	No Equivalent

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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	No Equivalent or MATH 100A or MATH 109

Natural Sciences Competency

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

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	ECON 102A
ECON 202	Principles of Macroeconomics	3	ECON 101A
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.

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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 201
ACCT 202	Principles of Managerial Accounting	3	ACC 202
STQM 260	Introduction to Statistics	3	MATH 115A
MGMT 301	Applied Management	3	BUS 122
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	BUS 260
MGMT 370	Quality and Operations Management	3	No Equivalent
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	CIS 185
ISYS 188	Web Design and Development	3	CIS 257 or CIS 257A
ISYS 216	Introduction to Programming	3	CIS 162
ISYS 221	Mobile Application Development	3	No Equivalent
ISYS 272	Fundamentals of Database Systems	3	CIS 253A
ISYS 288	Web Application Development	3	CIS 267 PHP
ISYS 316	Advanced Programming	3	CIS 280
PROJ 320	Project Management Fundamentals	3	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ISYS 327	Operating Systems and Network Essentials	3	No Equivalent
ISYS 330	Systems Analysis and Design 1	3	CIS 250
ISYS 372	Advanced Database Systems Administration	3	No Equivalent
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
Varies	Directed Elective (Advisor Approval)	9	Varies

PROGRAM CONTACT INFORMATION

College of Business

Accountancy, Finance, & Info Systems Department

(231) 591-2434

AFIS@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@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:

- a. ERW SAT score of 450 or higher.

- b. Math SAT score of 500 or higher. Placement in MATH 109 or 110 will be considered (Math SAT score of 480 or higher).

- c. Composite SAT of 900 or higher.

- ACT Scores Two of the Three Criteria:

- a. English ACT score of 16 or higher.

- b. Math ACT score of 19 or higher.

- c. 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.

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- 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

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 a statewide location).

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Advising Notes

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*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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FERRIS STATE UNIVERSITY

Michigan Transfer Agreement (MTA)

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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.

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COMPUTER INFORMATION TECHNOLOGY ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Computer Information Technology

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Articulation Agreement: Yes

Total Credits Required: 120-122

Catalog Year: 2023-2024

The effective dates for this articulation agreement are TBD.

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.

FERRIS STATE UNIVERSITY

Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	COM 201
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
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	No Equivalent or MATH 100A or MATH 109

Natural Sciences Competency

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

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 STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ECON 201	Principles of Microeconomics	3	ECON 102A
ECON 202	Principles of Macroeconomics	3	ECON 101A
Varies	Self and Society Elective	3	Varies

COLLEGE REQUIREMENTS – 81 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 201
ACCT 202	Principles of Managerial Accounting	3	ACC 202
STQM 260	Introduction to Statistics	3	MATH 115A
MGMT 301	Applied Management	3	BUS 122
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	BUS 260
MGMT 370	Quality and Operations Management	3	No Equivalent
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

51 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	CIS 185
CITS 150	A+ Certification 1	3	CIS 109A
CITS 160	A+ Certification 2	3	CIS 209A

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CITS 250	Windows Client Administration	3	CIS 142
CITS 255	Windows Server 1	3	CIS 143A
CITS 260	Windows Server 2	3	CIS 283B
CITS 270	Network+	3	CIS 183
CITS 280	Linux Administration	3	CIS 275
CITS 320	Security+ Administration	3	CIS 293A
PROJ 320	Project Management Fundamentals	3	No Equivalent
CITS 360	Windows Server 3	3	No Equivalent
CITS 370	Virtual System Administration	3	No Equivalent
CITS 480	Senior Project and Capstone	3	No Equivalent
CITS 491	Computer Information Technology Internship	3	No Equivalent
Varies	Directed Elective (Advisor Approval)	9	Varies

PROGRAM CONTACT INFORMATION

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New Student Admission Requirements

2.50 High School GPA (on a 4.00 scale)

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 - a. English ACT score of 16 or higher.
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 - c. Reading ACT score of 19 or higher.

FERRIS STATE UNIVERSITY

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. Developmental courses will not be considered in computing the GPA requirement.
- 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.

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- Submit test scores (if required)
 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
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Advising Notes

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

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*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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FERRIS STATE UNIVERSITY

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)

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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.

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CRIMINAL JUSTICE - GENERALIST ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Criminal Justice - Generalist

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Articulation Agreement: Yes

Total Credits Required: 120-121

Catalog Year: 2023-2024

The effective dates for this articulation agreement are to be determined.

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

FERRIS STATE UNIVERSITY

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 105 or COMM 121	Interpersonal Communication or Fundamentals of Public Speaking	3	No Equivalent or COM 201
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102 or ENG 221
ENGL 311 or ENGL 321 or ENGL 325	Advanced Technical Writing or Advanced Composition 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

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	No Equivalent

Natural Sciences Competency

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

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.

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

FERRIS STATE UNIVERSITY

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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SOCY 121	Introductory Sociology	3	SOC 101
PSYC 150	Introduction to Psychology	3	PSYC 201
(Choose 1 of 6) SOCY 225	Marriage and the Family	3	SOC 205
(Choose 1 of 6) SOCY 230	Gender Roles in Society	3	No Equivalent
(Choose 1 of 6) SOCY 242	Sociology of Deviant Behavior	3	No Equivalent
(Choose 1 of 6) SOCY 340	Race and Ethnicity in the United States	3	SOC 102A
(Choose 1 of 6) SOCY 341	Community Studies	3	No Equivalent
(Choose 1 of 6) SOCY 344	World Urban Sociology	3	No Equivalent

COLLEGE REQUIREMENTS – 81 Credits Required

Major Courses

35 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CRIM 305	Ethical Issues in Criminal Justice	3	No Equivalent
CRIM 310	Corrections and Society	3	No Equivalent
CRIM 311	Police and Society	3	No Equivalent
CRIM 321 or CRIM 322	Police Report Writing or Report Writing for Corrections	3	No Equivalent
CRIM 340	Criminal Behavior	3	No Equivalent
CRIM 385	Current Issues in Criminal Justice	3	No Equivalent
CRIM 391	Criminal Justice Internship	4	No Equivalent
CRIM 411	Crime Control Policy	3	No Equivalent
CRIM 425	Michigan Criminal Law	4	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CRIM 430	Michigan Criminal Procedures	4	No Equivalent
CRIM 499	Criminal Justice Assessment Course	2	No Equivalent

Related Requirements

23 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ISYS 105	Introduction Microcomputer Systems and Software	3	CIS 110
CRIM 110	Introduction to Criminal Justice	3	CJ 101
CRIM 111 or CRIM 112 or CRIM 113	Introduction to Corrections or Introduction to United States Legal Systems or Introduction to Law Enforcement	3	CJ 250 or No Equivalent or No Equivalent
BUSN 122 or ACCT 201 or BLAW 221	Introduction to Business or Principles of Financial Accounting or Elementary Business Law	3	BUS 123 or BUS 121 or ACC 201
CRIM 220	Supervision and Management in Criminal Justice	3	CJ 102 or CJ 202
CRIM 260	Delinquency Prevention and Control	3	CJ 109
Varies	Elective Courses - 100 Level or Higher (Advisor Approval)	5	Varies

Electives

23 Credits Required. In order to graduate with a bachelor's degree, a student must have a minimum of 120 credits. The electives required for each student may vary depending on courses taken. Based on how a student meets the programmatic requirements, they may need more or less than 23 credits of elective courses to meet the required 120 credit minimum.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Elective Courses (Advisor Approval)	23	Varies

FERRIS STATE UNIVERSITY

PROGRAM CONTACT INFORMATION

College of Business

School of Criminal Justice

(231) 591-5080

SchoolofCriminalJustice@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- Minimum 2.00 GPA (on a 4.00 scale)
- Complete all course requirements necessary to complete the Associate of Arts (AA) in Criminal Justice program at Ferris State University.

Transfer Student Admission Requirements

- Combined college or university GPA of 2.00 (on a 4.00 scale) from all institutions attended.
- Complete all course requirements necessary to complete the Associate of Arts (AA) in Criminal Justice program at Ferris State University.
- The degree completion program at a statewide and online location requires to earn either a completed Associate degree or at least 48 transferable semester credit hours from an accredited college or university.

MORE INFORMATION

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 a statewide location).

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](#).
- 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.

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FERRIS STATE UNIVERSITY

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 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.

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ARTICULATION AGREEMENT

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DIGITAL MEDIA SOFTWARE ENGINEERING TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Digital Media Software Engineering

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 125

Catalog Year: 2022-2023

FERRIS STATE UNIVERSITY

GENERAL EDUCATION REQUIREMENTS – 30 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 201
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 311 or ENGL 321 or ENGL 325	Advanced Technical Writing or Advanced Composition 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

4 Credits Required and is met in College Requirements.

Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PHYS 241	General Physics 1	5	PHYS 203L&L
Varies	Natural Sciences Elective	Varies	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. PHIL 216 is met in College Requirements.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Culture Electives	6	Varies

FERRIS STATE UNIVERSITY

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, and at least one Self and Society Foundation course. ECON 201 or ECON 202 are met in College Requirements.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives	6	Varies

COLLEGE REQUIREMENTS – 95 Credits Required

Software Development Courses

21 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SENG 101	Computer Programming 1	3	No Equivalent
SENG 102	Computer Programming 2	3	No Equivalent
SENG 300	Software Data Structures	3	No Equivalent
SENG 301	Programming Languages	3	No Equivalent
SENG 315	Software Component Design	3	No Equivalent
SENG 400	Engineering Enterprise Software Applications	3	No Equivalent
SENG 430	Program Graphical Interfaces	3	No Equivalent

Foundation Courses

21 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SENG 160	Software Engineering Methodologies and Processes	3	No Equivalent
SENG 170	Software Requirements Management	3	No Equivalent
SENG 210	Software Configuration Management	3	No Equivalent
SENG 250 or ISYS 327	Fundamentals of Operating Systems and Networking or Operating	3	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
	Systems and Network Essentials		
SENG 302	Software Quality Assurance	3	No Equivalent
SENG 350	Software Design and Architecture	3	No Equivalent
SENG 355	Software Engineering Tools	3	No Equivalent

Engineering Fundamentals Courses

9 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ISYS 200 or SENG 225 or ISYS 272	Database Design and Implementation or Introduction to Database Design or Fundamentals of Database Systems	3	CIS 153A and CIS 253A or No Equivalent or No Equivalent
ECON 201 or ECON 202	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 102A or ECON 101A
STQM 260	Introduction to Statistics	3	MATH 155A

Mathematics Courses

14 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 220	Analytical Geometry and Calculus 1	4	MATH 161
MATH 230	Analytical Geometry and Calculus 2	4	MATH 162
MATH 322	Linear Algebra	3	MATH 276
MATH 328	Discrete Structures	3	No Equivalent

Business and Management Courses

9 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PHIL 216	Introduction to Ethics	3	PHIL 202

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PROJ 320 or DAGD 315	Project Management Fundamentals or Digital Media Productions	3	No Equivalent
BLAW 321	Contracts and Sales	3	No Equivalent

Professional Development Courses

9 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SENG 420	Software Development Industry Certification	3	No Equivalent
SENG 491	Software Engineering Applied Internship	3	No Equivalent
SENG 499	Capstone in Software Engineering	3	No Equivalent

APPLICATION DOMAIN ELECTIVES – 12 Credits Required

Choose one four-course sequence in an area of interest; other than those listed must be approved by an advisor.

Game Design and Development

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 100 or DAGD 150	3D Modeling Animation 1 or Introduction to Game Design and Development	3	No Equivalent or CIS 124
DAGD 255	Game Programming 1	3	No Equivalent
DAGD 300	Level Design	3	No Equivalent
DAGD 355	Game Programming 2	3	No Equivalent

Machine Learning Engineering

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SENG 309	Introduction to Machine Learning	3	No Equivalent
SENG 409	Applied Machine Learning Software	3	No Equivalent
SENG 410	Introduction to Big Data Concepts and Tools	3	No Equivalent
SENG 422	Introduction to Cloud Application Development	3	No Equivalent

FERRIS STATE UNIVERSITY

PROGRAM CONTACT INFORMATION

College of Business
School of Digital Media
(231) 591-2712
SDM@ferris.edu

Ferris Statewide - Muskegon Community College
(616) 451-4777
FerrisMuskegon@Ferris.edu

Ferris Online
(231) 591-2340
Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.70 High School GPA (on a 4.00 scale)
- ACT Composite Score of 19

Transfer Student Admission Requirements

- Combined college or university GPA of 2.00 (on a 4.00 scale) from all institutions attended. GPA based on completion of 12 transferable semester credit hours or more.

MORE INFORMATION

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 a statewide location).

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 - 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

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FERRIS STATE UNIVERSITY

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Transfer Equivalencies Tools

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EARLY CHILDHOOD EDUCATION TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Early Childhood Education

Degree Type: Bachelor of Science

Ferris College: College of Arts, Sciences, and Education

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Articulation Agreement: Yes

Total Credits Required: 121-126

Catalog Year: 2023-2024

FERRIS STATE UNIVERSITY

GENERAL EDUCATION REQUIREMENTS – 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 201
ENGL 150	English 1 (B or higher)	3	ENG 101
ENGL 250	English 2 (B or higher)	3	ENG 102
ENGL 321 or ENGL 323 or ENGL 325	Advanced Composition or Proposal 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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 114	Quantitative Reasoning for Professionals 2	4	No Equivalent

Natural Sciences Competency

Two courses are required with a minimum of 6 credits: must have at least one lab course. BIOL 109 is required for the Child Life Specialist Concentration (ECSP).

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 200 level or higher course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
LITR 326	Children's Literature	3	No Equivalent
Varies	Culture Electives	6	Varies

FERRIS STATE UNIVERSITY

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, and at least one Self and Society Foundation course.

The courses listed below must be taken for the Child Life Specialist concentration. They can, however, apply to all Early Childhood concentrations. See Ferris advisor for course substitutions other than those listed.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SOCY 121	Introductory Sociology	3	SOC 101
PSYC 150	Introduction to Psychology	3	PSYC 201
SOCY 225	Marriage and the Family	3	SOC 205

COLLEGE REQUIREMENTS – 82-86 Credits Required

Major Requirements

67 Credits Required. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 101	Introduction to Early Childhood Education	4	ED 111A
EDCD 112	Theories of Child Development	3	ED 225A
EDCD 115	Observation and Documentation of Children	3	ED 220B
EDCD 160	Role of the Early Childhood Teacher	3	No Equivalent
COHP 205	Child Care Food and Nutrition	3	No Equivalent
EDCD 206	Ethical Practices in Early Childhood	3	No Equivalent
EDCD 210	Methods for Teaching Infants and Toddlers	4	ED 214A
EDCD 211	Methods for Teaching Preschool and School Age Children	4	No Equivalent
EDLA 261	Foundations of Literacy	3	No Equivalent
EDCD 295	Early Childhood Education Practicum	6	ED 252B

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 308	Teaching Special Needs in Early Childhood Education	3	ED 216A
EDCD 340	Family Engagement in Early Childhood	3	No Equivalent
EDCD 350	Curriculum Perspectives in Early Childhood Education	3	No Equivalent
EDCD 380	Advocacy in Early Childhood Education	3	No Equivalent
EDCD 425	Assessment and Research Methods in Early Childhood	4	No Equivalent
EDCD 450	Current Issues in Early Childhood Education	3	No Equivalent
EDCD 495	Early Childhood Education Internship	12	No Equivalent

CONCENTRATION – 15-19 Credits Required

One concentration is required (requires declaration).

Birth Through Kindergarten Concentration (BIRK)

19 Credits Required. These courses are used to calculate the concentration 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 310	Child Guidance	3	No Equivalent
EDLA 311	Advanced Foundations of Literacy Pre-Kindergarten through Third Grade	3	No Equivalent
EDCD 408	Individualized Educational Plan/ Individualized Family Service Plan Planning and Development	3	No Equivalent
EDLA 411	Literacy Instruction and Assessment Pre-Kindergarten through Third Grade	4	No Equivalent
EDCD 440	Science, Technology, Engineering, Art, and Math in Early Childhood	3	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 488	Early Childhood Special Education Internship	3	No Equivalent

Child Life Specialist Concentration (ECSP)

17 Credits Required. These courses are used to calculate the concentration 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 100	Orientation to Medical Vocabulary	1	AH 101
EDUC 251	Human Growth Development	3	ED 250A
COMM 320	Family Communication	3	No Equivalent
PSYC 345	Psychology of Death and Dying	3	No Equivalent
SOCY 373	Health and Illness in Society	3	No Equivalent
EDCD 430	Introduction to Child Life Specialist Program	4	No Equivalent

Early Childhood Lead Teacher Concentration (ECLT)

16 Credits Required. These courses are used to calculate the concentration 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 310	Child Guidance	3	No Equivalent
EDLA 311	Advanced Foundations of Literacy Pre-Kindergarten through Third Grade	3	No Equivalent
EDCD 408	Individualized Educational Plan/ Individualized Family Service Plan Planning and Development	3	No Equivalent
EDLA 411	Literacy Instruction and Assessment Pre-Kindergarten through Third Grade	4	No Equivalent
EDCD 440	Science, Technology, Engineering, Art, and Math in Early Childhood	3	No Equivalent

FERRIS STATE UNIVERSITY

Early Childhood Management Concentration (ECMG)

15 Credits Required. These courses are used to calculate the concentration 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ACCT 201	Principles of Financial Accounting	3	ACC 201
MGMT 301	Applied Management	3	BUS 122
MGMT 310	Small Business Management	3	BUS 223
MKTG 321	Principles of Marketing	3	BUS 260
EDCD 410	Early Childhood Education Management and Leadership	3	ED 223A

PROGRAM CONTACT INFORMATION

College of Arts, Sciences, and Education
School of Education
(231) 591-5361
SOE@Ferris.edu

Ferris Statewide - Muskegon Community College
(616) 451-4777
FerrisMuskegon@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.50 High School GPA (on a 4.00 scale)
- Minimum Composite ACT Score of 17/SAT 900

Transfer Student Admission Requirements

- Combined college or university GPA of 2.00 (on a 4.00 scale) from all institutions attended. GPA based on completion of 12 transferable semester credit hours or more.
- The degree completion program at a statewide and online location requires 48 transferable semester credits to be admitted.
- Completion of ENGL 150 or transfer equivalent of C grade or higher
- Transfer equivalency for Ferris State University's MATH 114/115/117 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

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 a statewide location).

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FERRIS STATE UNIVERSITY

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Big Rapids, MI 49307
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Once admitted, students are required to complete an orientation and should continue to meet with an advisor as they work toward graduation.

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*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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FERRIS STATE UNIVERSITY

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ELEMENTARY EDUCATION TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Elementary Education
Degree Type: Bachelor of Science
Ferris College: College of Arts, Sciences, and Education
Transfer School: Muskegon Community College (MUSKCC)
Consortium Eligible: No
Total Credits Required: 121-124
Catalog Year: 2024-2025

GENERAL EDUCATION REQUIREMENTS – 41 - 42 Credits Required

Courses in this section are required to satisfy the University General Education Requirements for a bachelor's degree. The University General Education requirements can be found on the: [Ferris State University General Education Requirements Webpage](#).

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.

Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	COM 201
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102 or ENG 221
ENGL 321	Advanced Composition	3	No Equivalent

Quantitative Literacy Competency

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

FERRIS STATE UNIVERSITY

- 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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 114 or MATH 115 or MATH 117	Quantitative Reasoning for Professionals 2 or Intermediate Algebra or Contemporary Mathematics	4 or 3 or 4	No Equivalent or No Equivalent or MATH 107A

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

Natural Sciences Competency

Two courses are required with a minimum of 6 credits: must have at least one lab course. One of these classes must have a grade of "B" or better.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
BIOL 103	Biological Concepts	4	No Equivalent
PHSC 115	Inquiry into Physical Science	4	No Equivalent

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.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
HIST 121	United States History to 1877	3	HIST 201
HIST 230	Michigan History	3	HIST 211
LITR 326	Children's Literature	3	No Equivalent

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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
GEOG 100	Geography of World Regions	3	GEOG 105
PLSC 121	American Government 1 - People & Politics	3	PSCI 111

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ECON 201	Principles of Microeconomics	3	ECON 102A

COLLEGE REQUIREMENTS – 80-81 Credits Required

Major Courses

15 Credits Required. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 208	Elementary School Mathematics 1	3	MATH 105
MATH 209	Elementary School Mathematics 2	3	No Equivalent
EDLA 261	Foundations of Literacy	3	No Equivalent
ENGL 301	Introduction to Linguistics	3	No Equivalent
MATH 307	Elementary School Mathematics 3	3	No Equivalent

PRE-KINDERGARTEN THROUGH THIRD GRADE CONCENTRATION (ELPK) – 66 Credits Required

Choose one concentration (Statewide locations must complete both concentrations). The School of Education strongly advises to complete both concentrations (ELPK and ELTS) and to see a Ferris Education Advisor as the number of courses and credits will change in the combination of the two pathways. Please note: if a student completes both concentrations, the following classes are omitted/not required: EDUC 251, 289, and 415.

Level 1 Courses

15 Credits Required. Students may only retake two of the six Level 1 courses. Students may not repeat any education course more than once. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 112	Theories of Child Development	3	No Equivalent
EDCD 115	Observation & Documentation of Children	3	No Equivalent
EDCD 161	Foundations of Education	3	No Equivalent
EDCD 211	Methods of Teaching Preschool & School Age Children	4	No Equivalent
EDUC 261	Children's Healthy Living	2	No Equivalent

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Level 2 Courses

39 Credits Required. Prior to enrolling in any Level 2 courses, all students must meet the Michigan Department of Education (MDE) requirements, currently Council for the Accreditation of Educator Preparation (CAEP); see advisor for options. Complete all Level 1 courses with a minimum of 2.50 GPA with no grade lower than a C, have a 2.50 cumulative GPA, and complete a Level 2 application. Students may not repeat any education course more than once. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 308	Teaching Special Needs in Education & Childhood Education	3	No Equivalent
EDLA 311	Advanced Foundations of Literacy Pre-Kindergarten through Third Grade	3	No Equivalent
EDMA 331	Math Methods of Teaching Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDSC 331	3D Science Methods for Elementary Education Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDUC 361	Instructional Design	3	No Equivalent
EDLA 411	Literacy Instruction & Assessment Pre-Kindergarten through Third Grade	4	No Equivalent
EDLA 419	Literacy Methods Field Experience Pre-Kindergarten through Third Grade	1	No Equivalent
EDMA 419	Math Methods Field Experience Pre-Kindergarten through Third Grade	1	No Equivalent
EDSC 419	Science Methods Field Experience Pre-Kindergarten through Third Grade	1	No Equivalent
EDSS 419	Social Studies Methods Field Experience Pre-Kindergarten through Third Grade	1	No Equivalent
EDLA 431	Literacy Methods of Teaching Pre-	4	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
	Kindergarten through Sixth Grade		
EDMA 431	Math Assessments & Supports Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDSC 431	Advanced 3D Science Methods of Teaching Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDSS 431	Social Studies Methods of Teaching Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDLA 461	Language & Literacy Capstone	3	No Equivalent

Level 3 Courses

12 Credits Required. Prior to enrolling in Level 3 courses, all students must pass the Michigan test for teacher certification in their subject area. Students must obtain the appropriate GPA for their major as established by each department. A 2.75 GPA is required in the professional education course sequence. A 2.50 cumulative GPA is also required before student teaching. Students may not repeat any education course more than once. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDUC 499	Student Teaching (Dept. Approval)	12	No Equivalent

THIRD GRADE THROUGH SIXTH GRADE CONCENTRATION (ELTS) – 65 Credits Required

Choose one concentration (Statewide locations must complete both concentrations). The School of Education strongly advises to complete both concentrations and to see a Ferris Education Advisor as the number of courses and credits will change in the combination of the two pathways.

Level 1 Courses

14 Credits Required. Students may only retake two of the six Level 1 courses. Students may not repeat any education course more than once. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 115	Observation & Documentation of Children	3	No Equivalent
EDUC 161	Foundations of Education	3	No Equivalent
EDUC 251	Human Growth Development	3	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDUC 261	Children's Healthy Living	2	No Equivalent
EDUC 289	Principles of Teaching & Learning	3	No Equivalent

Level 2 Courses

39 Credits Required. Prior to enrolling in any Level 2 courses, all students must meet the Michigan Department of Education (MDE) requirements, currently Council for the Accreditation of Educator Preparation (CAEP); see advisor for options. Complete all Level 1 courses with a minimum of 2.50 GPA with no grade lower than a C, have a 2.50 cumulative GPA, and complete a Level 2 application. Students may not repeat any education course more than once. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDLA 321	Advanced Foundations of Literacy Third Grade through Sixth Grade	3	No Equivalent
EDMA 331	Math Methods for Teaching Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDSC 331	3D Science Methods for Elementary Education Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDUC 361	Instructional Design	3	No Equivalent
EDUC 415	Teaching Special Needs	3	No Equivalent
EDLA 421	Literacy Instruction and Assessment Third Grade through Sixth Grade	4	No Equivalent
EDLA 429	Literacy Methods Field Experience Third Grade through Sixth Grade	1	No Equivalent
EDMA 429	Math Methods Field Experience Third Grade through Sixth Grade	1	No Equivalent
EDSC 429	Science Methods Field Experience Third Grade through Sixth Grade	1	No Equivalent
EDSS 429	Social Studies Methods Field Experience Third Grade through Sixth Grade	1	No Equivalent
EDLA 431	Literacy Methods of Teaching Pre-	4	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
	Kindergarten through Sixth Grade		
EDMA 431	Math Assessments & Supports Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDSC 431	Advanced 3D Science Methods of Teaching Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDSS 431	Social Studies Methods of Teaching Pre-Kindergarten through Sixth Grade	3	No Equivalent
EDLA 461	Language & Literacy Capstone	3	No Equivalent

Level 3 Courses

12 Credits Required. Prior to enrolling in Level 3 courses, all students must pass the Michigan test for teacher certification in their subject area. Students must obtain the appropriate GPA for their major as established by each department. A 2.75 GPA is required in the professional education course sequence. A 2.50 cumulative GPA is also required before student teaching. Students may not repeat any education course more than once. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDUC 499	Student Teaching (Dept. Approval)	12	No Equivalent

PROGRAM CONTACT INFORMATION

College of Arts, Sciences, and Education

School of Education

(231) 591-5361

SOE@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.50 High School GPA (on a 4.00 scale)
- Minimum Composite ACT Score of 17/SAT 900

FERRIS STATE UNIVERSITY

Transfer Student Admission Requirements

- Combined college or university GPA of 2.00 (on a 4.00 scale) from all institutions attended. GPA based on completion of 12 transferable semester credit hours or more.
- Completion of ENGL 150 or transfer equivalent of C grade or higher
- Completion of MATH 114, 115, or 117 or transfer equivalent of C grade or higher.
- The degree completion program at a statewide and online location requires 30 transferable semester credits to be admitted and completion of ENGL 150, ENGL 250, COMM 121, MATH 114, 115 or 117, or transfer equivalent courses of C grade or higher.

MORE INFORMATION

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 a statewide location).

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](#).
- 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.

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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 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.

HEALTH INFORMATION MANAGEMENT TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Health Information Management

Degree Type: Bachelor of Science

Ferris College: College of Health Professions

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 124

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 39 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 105 or COMM 221	Interpersonal Communication or Small Group Decision Making	3	No Equivalent
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 321	Advanced Composition	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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 115	Intermediate Algebra	3	MATH 100A

Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
BIOL 109	Basic Human Anatomy and Physiology	4	BIOL 115 and BIOL 115L
Varies	Natural Sciences Electives (Consult Advisor)	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.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Culture Electives (Consult Advisor)	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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives (Consult Advisor)	9	Varies

COLLEGE REQUIREMENTS – 85 Credits Required

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College of Health Professions (COHP) Core Curriculum

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 101	The United States Health Care System	3	No Equivalent
COHP 102	Safety Issues in Health Care	1	No Equivalent
COHP 350	Statistics in Health Care	3	No Equivalent
COHP 450	Evidence-Based Health Care	3	No Equivalent

Major Courses

58 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MRIS 101	Introduction to Health Information Systems	4	No Equivalent
MRIS 103	Medical Terminology	3	No Equivalent
MRIS 121	Health Information Statistics	2	No Equivalent
MRIS 122	Health Information Concepts	4	No Equivalent
MRIS 204	ICD-10-CM Coding	4	No Equivalent
MRIS 205	ICD-10-PCS Coding	4	No Equivalent
MRIS 209	Quality Management in Health Care	3	No Equivalent
MRIS 210	Fundamentals of Disease Processes	4	No Equivalent
MRIS 211	CPT Coding	3	No Equivalent
MRIS 220	Legal and Ethical Aspects in Health Information Management	3	No Equivalent
MRIS 221	Foundations of Reimbursement	3	No Equivalent
MRIS 261	Health Information Technology Review	1	No Equivalent
MRIS 293	Professional Practice 1	6	No Equivalent
MRIS 402	Health Information Management Principles	3	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MRIS 461	Health Information Management Review	1	No Equivalent
MRIS 493	Professional Practice 2	10	No Equivalent

Professional Support Courses

17 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ISYS 105	Introduction to Microcomputer Systems and Software	3	CIS 110 or CIS 101EW and CIS 115WW and CIS 119PP or CIS 120A
COHP 300	Health Informatics	3	No Equivalent
HCSA 310	Health Care Finance 2	3	No Equivalent
HCSA 336	Health Care Supervisory Practices	3	No Equivalent
MRIS 345	Health Information Technology and Health Information Management Internship Orientation	1	No Equivalent
HSCA 474	Health Care Strategic Application	4	No Equivalent

PROGRAM CONTACT INFORMATION

College of Health Professions

Department of Health Administration and Health Information

(231) 591-2270

CHP@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

Ferris Online

(231) 591-2340

Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.70 High School GPA (on a 4.00 scale) (2.50 -2.69 with college approval)
- Minimum Composite Score of ACT 18/SAT 950 OR 3.0 High School GPA (on a 4.00 scale) and Composite ACT 17/SAT 900

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Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Complete all course requirements necessary to complete the Associate of Applied Science (AAS) in Health Information Technology program at Ferris State University or related Associate of Applied Science (AAS) degree.
- 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 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

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 a statewide location).

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](#).
- 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

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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 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.

INDUSTRIAL TECHNOLOGY AND MANAGEMENT TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Industrial Technology and Management

Degree Type: Bachelor of Applied Science

Ferris College: College of Engineering Technology

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 120

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – *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 201

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 150	English 1	3	ENG 101
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 102 or ENG 102
ENGL 311 or ENGL 321 or ENGL 325	Advanced Technical Writing or Advanced Composition or Advanced Business Writing	3	No Equivalent

Quantitative Literacy Competency

Requirements for Quantitative Literacy 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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 126 or MATH 130	Algebra and Analytic Trigonometry or Advanced Algebra and Analytical Trigonometry	4	MATH 111 and MATH 112

Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PHYS 211	Introductory Physics 1	4	PHYS 201
Varies	Natural Sciences Elective	2	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.

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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives	9	Varies

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COLLEGE REQUIREMENTS – 80 Credits Required

Major Courses

39 Credits Required. These courses are used to calculate the major 2.75 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MGMT 301	Applied Management	3	BUS 122
PROJ 320	Project Management Fundamentals	3	No Equivalent
MKTG 321	Principles of Marketing	3	BUS 260
COHP 330	OSHA Law	2	No Equivalent
MFGE 341	Quality Science Statistics	3	No Equivalent
APPS 350	Automation and Technology Management	3	No Equivalent
APPS 351	Lean Thinking Production Flow and Plant	3	No Equivalent
MFGE 352	Design for Manufacturing	2	No Equivalent
MGMT 370	Quality and Operations Management	3	No Equivalent
APPS 401	Contemporary Issues in Industrial Management	3	No Equivalent
APPS 420	Manufacturing Certification and Standardization	3	No Equivalent
MFGE 423	Engineering Economics	2	No Equivalent
APPS 450	Manufacturing Improvement Management	3	No Equivalent
APPS 499	Senior Project Capstone	3	No Equivalent

Manufacturing, Industrial, or Business-Related Requirements

40 Credits Required. Courses in this section are typically taken from previous coursework at the community college-level in fields relating to business, industrial topics, manufacturing, or engineering, or from other sources, such as the United States Military or college-level apprenticeship programs. Other options are available and should be discussed with a program advisor. These courses are not used to calculate the major 2.75 GPA requirement.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Electives (Advisor Approval)	40	Varies

PROGRAM CONTACT INFORMATION

College of Engineering Technology

Industrial Technology and Management Program

(586) 445-7150

ITMPPProgram@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- The Industrial Technology and Management, BAS degree is only open to students who meet the Transfer Student Admission Requirements below.

Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- 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.
- Transfer equivalency for Ferris State University's MATH 114 or 115 or placement during the first semester at Ferris State University.
- It is highly recommendable that applicants have a minimum of five years of industrial or manufacturing experience.

MORE INFORMATION

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 a statewide location).

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](#).
- Submit official transcripts
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 - 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

FERRIS STATE UNIVERSITY

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.

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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 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.

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INFORMATION SECURITY AND INTELLIGENCE TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Information Security and Intelligence

FERRIS STATE UNIVERSITY

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 120-127

Catalog Year: 2022-2023

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 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	No Equivalent or COM 201 or No Equivalent
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 311 or ENGL 321 or ENGL 325	Advanced Technical Writing or Advanced Composition 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	No Equivalent or MATH 100A or MATH 109

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. A foreign language course is recommended.

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 or ECON 202	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 102A or ECON 101A
Varies	Self and Society Elective	6	Varies

COLLEGE REQUIREMENTS – 81-87 Credits Required

Business Core Requirements

12 Credits Required. These courses are used to calculate the major 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ACCT 201	Principles of Financial Accounting	3	ACC 201
STQM 260	Introduction to Statistics	3	MATH 115A
MGMT 301	Applied Management	3	BUS 122
MKTG 321	Principles of Marketing	3	BUS 260

Major Courses

57 Credits Required. These courses are used to calculate the major 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ISIN 121	Digital Security Awareness	3	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ISIN 200	Secure Digital Technologies	3	No Equivalent
ISIN 209	Network Security	3	No Equivalent
STQM 270	Introduction to Data Mining	3	No Equivalent
ISIN 300	Link and Visual Analysis	3	No Equivalent
ISIN 301	Data and Intelligence Competitive Theory	3	No Equivalent
ISIN 306	Security Informatics	3	No Equivalent
ISIN 308	Principles of Information Security	3	No Equivalent
DFOR 310	Digital Forensics and Analysis	3	No Equivalent
ISIN 312	Applications of Information Security	3	No Equivalent
ISIN 317	Fraud Examination	3	No Equivalent
PROJ 320	Project Management Fundamentals	3	No Equivalent
ISIN 325	Database Security	3	No Equivalent
STQM 360	Risk Analysis and Strategy	3	No Equivalent
ISIN 380	Current Issues in Information Security and Intelligence	3	No Equivalent
ISIN 409	Network Forensics and Analysis	3	No Equivalent
ISIN 429	Legal and Ethical Issues in Information Security	3	No Equivalent
ISIN 391	Information Security and Intelligence Internship	3	No Equivalent
ISIN 499	Capstone Experience	3	No Equivalent

CONCENTRATION OR MINOR – 12-18 Credits Required

A minimum of 12 credits is required, choose one of the following: 1) A prescribed concentration from within this section; 2) A custom concentration that can be developed with an advisor; 3) An advisor approved minor. It is important to note that all courses and concentrations may not be available at all campuses.

Digital Forensics and Penetration Testing Concentration (DFPN)

12 Credits Required. These courses are not used to calculate the major 2.00 GPA requirement.

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DFOR 315	Advanced Digital Forensics	3	No Equivalent
ISIN 335	Penetration Testing and Cloud Security	3	No Equivalent
ISIN 430	Penetration Testing and Mobile Security	3	No Equivalent
DFOR 454	CyberSec Incident Response	3	No Equivalent

Data Mining Concentration (DTMN) (Available at the Big Rapids Campus Only)

12 Credits Required. These courses are not used to calculate the major 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
STQM 322	Inferential Statistics	3	No Equivalent
ISIN 335	Penetration Testing and Cloud Security	3	No Equivalent
STQM 342	Data Mining Tools	3	No Equivalent
Varies	Directed Elective (Advisor Approval)	3	No Equivalent

Foreign Language Concentration (FRL)

12 Credits Required. These courses are not used to calculate the major 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Varies (Advisor Approval)	12	Varies

Custom Concentration (CUST)

12 Credits Required. These courses are not used to calculate the major 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Varies (Advisor Approval)	12	Varies

Minor

18 Credits Required. These courses are not used to calculate the major 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Varies (Advisor Approval)	18	Varies

FERRIS STATE UNIVERSITY

PROGRAM CONTACT INFORMATION

College of Business

Accountancy, Finance, & Info Systems Department

(231) 591-2434

AFIS@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

Ferris Online

(231) 591-2340

Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- Minimum 3.00 High School GPA (on a 4.00 scale)
- Minimum Composite ACT score of 22 and ACT Math score of 22 or SAT Math score of 550.
- All students applying for admission to the Information Security and Intelligence program will have to submit a 750 to 1,000 word essay that addresses the following:
 - Who they are and why they desire admission to the Information Security and Intelligence program.
 - A description of a personal quality, talent, accomplishment, contribution, or experience.
 - A description of someone that influenced them and why.

Transfer Student Admission Requirements

- Combined college or university GPA of 3.00 (on a 4.00 scale) from all institutions attended.
- GPA is based on completion of 24 credit hours or more.
- Completion of the transfer equivalency for Ferris State University's MATH 115 with a grade of C or higher or have either a minimum ACT Math score of 22 or SAT Math score of 550.
- All students applying for admission to the Information Security and Intelligence program will have to submit a 750 to 1,000 word essay that addresses the following:
 - Who they are and why they desire admission to the Information Security and Intelligence program.
 - A description of a personal quality, talent, accomplishment, contribution, or experience.
 - A description of someone that influenced them and why.

MORE INFORMATION

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 a statewide location).

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](#).
- 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

FERRIS STATE UNIVERSITY

- 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.

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*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

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FERRIS STATE UNIVERSITY

INTEGRATIVE STUDIES TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Integrative Studies

Degree Type: Bachelor of Science

Ferris College: College of Arts, Sciences, and Education

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

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 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	No Equivalent or COM 201 or No Equivalent
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102 or ENG 221
ENGL 311 or ENGL 321 or ENGL 323 or ENGL 325	Advanced Technical Writing or Advanced Composition or Proposal 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

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	No Equivalent or MATH 109

FERRIS STATE UNIVERSITY

Natural Sciences Competency

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

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.

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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives	9	Varies

COLLEGE REQUIREMENTS – 81 Credits Required

Major Requirements

4 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COAS 495	Integrative Studies Orientation and Capstone	4	No Equivalent

Electives

77 Credits Required. In order to graduate with a bachelor's degree, a student must have a minimum of 120 credits. The electives required for each student may vary depending on courses taken. Based on how a student meets the programmatic requirements, they may need more or less than 77 credits of elective courses to meet the required 120 credit minimum.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Electives (Advisor Approval)	Varies	Varies
COAS 491	Integrative Studies Internship (Strongly recommended, but not required)	1-8	No Equivalent

FERRIS STATE UNIVERSITY

PROGRAM CONTACT INFORMATION

College of Arts, Sciences, & Education

(231) 591-3660

CASEDeansOffice@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

Ferris Online

(231) 591-2340

Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.50 High School GPA (on a 4.00 scale)
- Minimum Composite ACT Score of 17/SAT 900

Transfer Student Admission Requirements

- Combined college or university GPA of 2.00 (on a 4.00 scale) from all institutions attended. GPA based on completion of 12 transferable semester credit hours or more.
- The degree completion program at a statewide and online location requires 48 transferable semester credits to be admitted.
- Completion of ENGL 150 or transfer equivalent of C grade or higher
- Completion of MATH 110 or transfer equivalent of C grade or higher

MORE INFORMATION

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 a statewide location).

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- Submit test scores (if required)
 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
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FERRIS STATE UNIVERSITY

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MANUFACTURING ENGINEERING TECHNOLOGY TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Manufacturing Engineering Technology

Degree Type: Bachelor of Science

Ferris College: College of Engineering Technology

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 121-125

Catalog Year: 2022-2023

FERRIS STATE UNIVERSITY

GENERAL EDUCATION REQUIREMENTS – 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

If the Process Development Concentration (PDV) is chosen, MFGE 324, 393, and 421 are major and concentration courses that are also considered Communication Across the Curriculum (CATCs) courses and satisfy the upper-level Communication requirement. If the Quality Concentration (QTY) is chosen, the upper-level Communication requirement is met by ENGL 311.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	COM 201
ENGL 150	English 1	3	ENG 101
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 102 or ENG 102
ENGL 311 or ENGL 321 or (MFGE 324 and MFGE 393 and MFGE 421)	Advanced Technical Writing or Advanced Composition or Advanced Business Writing or (Principles of Process Planning 1 or Internship in Manufacturing Engineering or Automation and Systems Design)	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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 220	Analytical Geometry and Calculus 1	4	MATH 161

Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PHYS 211	Introductory Physics 1	4	PHYS 201

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Natural Science Electives	2	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.

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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives	9	Varies

COLLEGE REQUIREMENTS – 83 Credits Required

Major Courses

32 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MFGE 311	Industrial Engineering	4	No Equivalent
MFGE 321	Metrology	3	No Equivalent
MFGE 322	Production Processes	3	No Equivalent
MECH 340	Statics and Strengths of Materials	4	No Equivalent
MFGE 341	Quality Science Statistics	3	No Equivalent
MFGE 342	Statistical Process Engineering	3	No Equivalent
MFGE 354	Lean Manufacturing	3	No Equivalent
MFGE 393	Internship in Manufacturing Engineering	4	No Equivalent
MFGE 423	Engineering Economics	2	No Equivalent
MFGE 442	Design of Experiments 1	3	No Equivalent

FERRIS STATE UNIVERSITY

Electives

31-33 Credits Required. In order to graduate with a bachelor's degree, a student must have a minimum of 120 credits. The electives required for each student may vary depending on courses taken. Based on how a student meets the programmatic requirements, they may need more or less than 31 to 33 credits of elective courses to meet the required 120 credit minimum. The total number of elective credits required depends on the chosen concentration in the Concentration section.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MECH 122 or ISYS 105	Computer Applications 1 for Technology or Introduction to Microcomputer Systems and Software	2 or 3	AMT 129 or CIS 110
MATH 126 or MATH 130	Algebra and Analytic Trigonometry or Advanced Algebra and Analytical Trigonometry	4	MATH 111 and MATH 112 or MATH 141
MATL 240	Introduction to Material Science	4	MET 201
MFGT 150	Manufacturing Processes	2	MT 101
PDET 122	Parametric Modeling	1	CAD 250
Varies	Technical Electives (Consult Advisor)	12	Varies
Varies	Electives (Consult Advisor)	7-9	Varies

CONCENTRATION – 18-20 Credits Required (Advisor Approval)

Choose One Concentration

Process Development Concentration (PDV)

20 Credits Required. Available at Both Big Rapids and Grand Rapids Campuses.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MFGE 312	CNC and CAM	4	No Equivalent
MFGE 324	Principles of Process Planning 1	3	No Equivalent
PLTS 325	Plastics Technology	2	No Equivalent
MFGE 411	Principles of Process Planning 2	2	No Equivalent
WELD 416	Production Welding Processes	2	No Equivalent
MFGE 421	Automation and Systems Design	4	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MFGE 422	Manufacturing Facilities Planning	3	No Equivalent

Quality Concentration (QTY)

18 Credits Required. Available at Grand Rapids Campus Only.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 311	Advanced Technical Writing	3	No Equivalent
MATL 341	Material Selection Metals	3	No Equivalent
MFGE 443	Continuous Improvement	3	No Equivalent
MFGE 444	Quality Auditing	3	No Equivalent
MFGE 446	Design of Experiments 2	3	No Equivalent
MFGE 447	Quality Planning	3	No Equivalent

PROGRAM CONTACT INFORMATION

College of Engineering Technology

Manufacturing Engineering Technology Programs

(231) 591-2511

ManufacturingDegrees@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- The Manufacturing Engineering Technology, BS degree is only open to students who meet the Transfer Student Admission Requirements below.
- High school students interested in this program may apply to the Manufacturing Technology, AAS program.

Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended. Developmental courses will not be considered in computing the GPA requirement.
- Minimum 57 transferable semester credit hours (C or higher) from an accredited college or university, including technical courses, general and technical related courses.
- Successful completion of COMM 121, ENGL 150 and (ENGL 211 or ENGL 250), MATH 126 or MATH 130, MATL 240, MFGE 150, PDET 122, MECH 122 or ISYS 105, a Natural Science Competency course (preferably Chemistry), a Culture Competency course, a Self and Society Competency course, or transfer equivalent courses of C grade or higher.

MORE INFORMATION

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 a statewide location).

FERRIS STATE UNIVERSITY

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

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 - Or mail to:
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- 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

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MECHANICAL ENGINEERING TECHNOLOGY ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR KALAMAZOO VALLEY COMMUNITY COLLEGE

Ferris Program: Mechanical Engineering Technology
Degree Type: Bachelor of Applied Science
Ferris College: College of Engineering Technology
Transfer School: Kalamazoo Valley Community College (KVCC)
Consortium Eligible: No
Articulation Agreement: Yes
Total Credits Required: 130-131
Catalog Year: 2024-2025

The effective dates of this articulation agreement are under revision.

GENERAL EDUCATION REQUIREMENTS – 56-57 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. Ferris State University General Education www.ferris.edu/gened.

Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	COM 101
ENGL 150	English 1	3	ENG 110
ENGL 250	English 2	3	ENG 111 or ENG 160
ENGL 311	Advanced Technical Writing	3	ENG 227

Quantitative Literacy Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 116	Intermediate Alegbra and Numerical Trigonometry	4	MATH 106
MATH 120	Trigonometry	3	MATH 152

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Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PHYS 211	Introductory Physics 1	4	PHY 111
PHYS 212	Introductory Physics 2	4	PHY 112

Culture Competency

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

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, have at least one 200 level or higher course, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives	9	Varies

Additional General Education Requirements

These courses are additional General Education courses to meet the requirements for this specific program.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CHEM 103	Preparatory Chemistry	3	*CHM 100, 101, and 101/111 combo or higher can be substituted.
MATH 126 or MATH 130	Algebra and Analytic Trigonometry or Advanced Algebra Analytical Trigonometry	4	No Equivalent or MATH 156
MATH 216 or MATH 220	Applied Calculus or Analytical Geometry and Calculus 1	4	No Equivalent or MATH 160
MATH 226 or MATH 230	Fourier Series and Applied Differential Equations or Analytical Geometry and Calculus 2	4	No Equivalent or MATH 162

COLLEGE REQUIREMENTS – 74 Credits Required

FERRIS STATE UNIVERSITY

Major Courses

48 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MECH 111	Mechanical Engineering Technology Seminar	1	No Equivalent
MECH 122	Computer Apps 1 for Technology	2	No Equivalent
MECH 211	Fluid Mechanics	4	No Equivalent
MECH 212	Kinematics of Mechanisms	2	EDMT 210
MECH 222	Machine Design	4	EDMT 245
MECH 223	Thermodynamics	3	No Equivalent
MECH 311	Finite Element Analysis and Modeling	2	EDMT 225
MECH 322	Computer Apps for Technology	2	No Equivalent
MECH 330	Heat Transfer	3	No Equivalent
MECH 332	Mechanical Measurements and Mechatronics	3	No Equivalent
MECH 340	Statics and Strengths of Materials	4	EDMT 215
MECH 341	Lab for Statics and Strengths of Materials	1	No Equivalent
MECH 360	Dynamics	3	No Equivalent
MECH 393	Industrial Internship	4	No Equivalent
MECH 421	Mechanical Engineering Technology Senior Lab	4	No Equivalent
MECH 440	Noise and Vibrations	3	No Equivalent
MECH 498	Senior Project 1	1	No Equivalent
MECH 499	Senior Project 2	2	No Equivalent

Technical Related Courses

26 Credits Required. In addition to the required courses within this section, 6 credits are required in Approved Technical Electives. Any combination of 6 credits or more can be taken between the two electives.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ETEC 140	Engineering Graphics Comprehensive	3	No Equivalent
MFGT 150	Manufacturing Processes	2	EDMT 103
EAET 201	Electrical Fundamentals	3	ELT 102
MATL 240	Introduction to Material Science	4	EDMT 260
MATL 341	Material Selection Metals	3	No Equivalent
MFGE 341	Quality Science Statistics	3	No Equivalent
MFGE 423	Engineering Economics	2	No Equivalent
Varies	Approved Technical Elective	6	Varies

PROGRAM CONTACT INFORMATION

College of Engineering Technology
Survey Engineering Technology Programs
(231) 591-2633
Surveying@Ferris.edu

Ferris Statewide - Kalamazoo Valley Community College
(269) 782-1214
FerrisSW@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.75 High School GPA (on a 4.00 scale) (2.50 -2.74 with college approval)
- Minimum Composite Score of ACT 18/SAT 950, Math Score of ACT 26/SAT 620,
- Placement into MATH 220

Transfer Student Admission Requirements

- 2.50 College GPA (on a 4.00 scale)
- Placement into MATH 120 or higher

MORE INFORMATION

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 a statewide location).

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

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Reverse Transfer Agreement

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Transfer Equivalencies Tools

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FERRIS STATE UNIVERSITY

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ARTICULATION AGREEMENT

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NURSING - RN TO BSN COMPLETION ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Nursing - RN to BSN Completion

Degree Type: Bachelor of Science in Nursing

Ferris College: College of Health Professions

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Articulation Agreement: Yes

Total Credits Required: 120-121

Catalog Year: 2023-2024

The effective dates for this articulation agreement are to be determined.

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 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	No Equivalent or COM 201 or No Equivalent
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 321	Advanced Composition	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

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- Official Math ACT Score of 24 or Higher

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 114 or MATH 115 or MATH 116 or MATH 117	Quantitative Reasoning for Professionals 2 or Intermediate Algebra or Intermediate Algebra and Numerical Trigonometry or Contemporary Mathematics	4 or 3 or 4 or 4	No Equivalent or No Equivalent or No Equivalent or MATH 107A

Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Natural Sciences Electives (Consult Advisor)	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.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Culture Electives (Consult Advisor)	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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives (Consult Advisor)	9	Varies

COLLEGE REQUIREMENTS – 81 Credits Required

College of Health Professions (COHP) Core Curriculum

11 Credits Required. COHP 100, 101, and 102 can be met with a Registered Nurse (RN) license or associate degree in nursing.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 100	Orientation to Medical Vocabulary	1	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 101	The United States Health Care System	3	No Equivalent
COHP 102	Safety Issues in Health Care	1	No Equivalent
COHP 350 *sub STQM 260	Statistics in Health Care *Substitute Intro to Statistics	3	*MATH 115A
COHP 450	Evidence-Based Health Care	3	No Equivalent

Major Courses

65 Credits Required. A Registered Nurse (RN) license or associate degree in nursing satisfies 40 of the 65 credits required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
NURS 320	RN to BSN Skills Acquisition	3	No Equivalent
NURS 324	Transition into Professional Nursing	3	No Equivalent
NURS 310	Population Based Health Promotion	3	No Equivalent
NURS 340	Community Nursing	3	No Equivalent
NURS 440	Leadership in Nursing	3	No Equivalent
NURS 450	Nursing Capstone	3	No Equivalent
NURS 495	Senior Capstone Leadership Practicum	4	No Equivalent
(Choose 1 of 8) COHP 300	Health Informatics	3	No Equivalent
(Choose 1 of 8) NURS 300	Pathophysiology for Nursing Practice	3	No Equivalent
(Choose 1 of 8) NURS 314	Gerontological Nursing	3	No Equivalent
(Choose 1 of 8) NURS 315	End of Life Nursing Care	3	No Equivalent
(Choose 1 of 8) NURS 316	Transcultural Nursing	3	No Equivalent
(Choose 1 of 8) NURS 317	Spirituality in Nursing Care	3	No Equivalent
(Choose 1 of 8) NURS 319	Disaster Nursing and Emergency Preparedness	3	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(Choose 1 of 8) Varies	Elective Course (Advisor Approval)	3	No Equivalent

Electives (Consult Advisor)

5 Credits Required. In order to graduate with a bachelor's degree, a student must have a minimum of 120 credits. The electives required for each student may vary depending on courses taken. Based on how a student meets the programmatic requirements, they may need more or less than 5 credits of elective courses to meet the required 120 credit minimum.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Electives (Consult Advisor)	5	Varies

PROGRAM CONTACT INFORMATION

College of Health Professions
School of Nursing
(231) 591-2259
CHP@Ferris.edu

Ferris Statewide - Muskegon Community College
(616) 451-4777
FerrisMuskegon@Ferris.edu

Ferris Online
(231) 591-2340
Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- An associate degree in Nursing with a 2.50 College GPA (on a 4.00 scale)
- Registered Nursing (RN) License

Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Students must have previously earned an associate degree in nursing as well as their Registered Nursing (RN) license.

RN to BSN Concurrent Admissions

Students can be concurrently admitted to our Bachelor of Science in Nursing simultaneously while they are completing their Associate Degree in Nursing.

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Students must be enrolled in the Associate Degree in Nursing and have at least one semester of nursing coursework in progress or completed to be considered for the concurrent admissions option.

MORE INFORMATION

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FERRIS STATE UNIVERSITY

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

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- Submit official transcripts
 - Submit official transcripts from every school attended to Transfer@Ferris.edu
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1201 S. State St., CSS 201
Big Rapids, MI 49307
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 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
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Advising Notes

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PRODUCT DESIGN ENGINEERING TECHNOLOGY TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Product Design Engineering Technology
Degree Type: Bachelor of Science
Ferris College: College of Engineering Technology
Transfer School: Muskegon Community College (MUSKCC)
Consortium Eligible: Yes
Total Credits Required: 120-124
Catalog Year: 2024-2025

GENERAL EDUCATION REQUIREMENTS – 40-43 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 201
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 321	Advanced Composition	3	No Equivalent

Quantitative Literacy Competency 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

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 116 or MATH 120	Intermediate Algebra and Numerical Trigonometry or Trigonometry	4 or 3	No Equivalent or MATH 112

Natural Sciences Competency

Two courses are required with a minimum of 6 credits: must have at least one lab course. The courses depend on chosen minor, please see your advisor prior to registering for courses.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CHEM 103 or CHEM 114 or CHEM 121	Preparatory Chemistry or Introduction to General Chemistry or General Chemistry 1	3 or 4 or 5	No Equivalent or No Equivalent or CHEM 101
PHYS 211	Introductory Physics 1	4	PHYS 201CL&L

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.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ARTS 101	Basic Art	3	ART 104
Varies	Culture Electives	6	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, and at least one Self and Society Foundation course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
GEOG 100	Geography of World Regions	3	GEOG 105
Varies	Self and Society Electives	6	Varies

COLLEGE REQUIREMENTS – 80 Credits Required

Major Courses

27 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PDET 100	Product Design Engineering Technology	1	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
	Orientation and Degree Planning		
PDET 210	Design Career Preparation	1	No Equivalent
PDET 311	Seminar in Product Design	1	No Equivalent
PDET 312	Advanced Tolerancing	2	No Equivalent
PDET 321	Applied Mechanics and Kinematics	3	No Equivalent
PDET 322	Model and Prototype Development	2	No Equivalent
PDET 411	Machine Design	3	No Equivalent
PDET 412	Statistics and Ergonomics	2	No Equivalent
PDET 413	Applied Fluids and Thermodynamics	3	No Equivalent
PDET 415	Advanced Solid Modeling CAD	2	No Equivalent
PDET 422	Advanced Machine Design	4	No Equivalent
PDET 498	Senior Project 1	1	No Equivalent
PDET 499	Senior Project 2	2	No Equivalent

Additional Requirements

35 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 126 or MATH 130	Algebra and Analytic Trigonometry or Advanced Algebra and Analytical Trigonometry	4	MATH 111 and MATH 112
MATH 216 or MATH 220	Applied Calculus or Analytical Geometry and Calculus 1	4	MATH 151 or MATH 161
PDET 122 or ETEC 140	Parametric Modeling or Engineering Graphics Comprehensive	3	No Equivalent
COMM 336	Technical and Professional Presentation	3	No Equivalent
EAET 201	Electrical Fundamentals	3	ELTC 101 AL&L

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATL 240	Introduction to Material Science	4	No Equivalent
MATL 341	Material Selection Metals	3	No Equivalent
MECH 340	Statics and Strengths of Materials	4	No Equivalent
MFGE 352	Design for Manufacturing	2	No Equivalent
MFGT 150	Manufacturing Processes	2	No Equivalent
PLTS 342	Plastic Material Selection	3	No Equivalent

Electives

18 Credits Required. In order to graduate with a bachelor's degree, a student must have a minimum of 120 credits. The electives required for each student may vary depending on courses taken. Based on how a student meets the programmatic requirements, they may need more or less than 18 credits of elective courses to meet the required 120 credit minimum.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Electives (Advisor Approval)	18	Varies

PROGRAM CONTACT INFORMATION

College of Engineering Technology

Product Design Engineering Technology Program

(231) 591-2755

PDET@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.75 High School GPA (on a 4.00 scale) (2.50 -2.74 with college approval)
- Minimum Composite Score of ACT 20/SAT 1030, Math Score of ACT 19/SAT 500, English Score of ACT17/SAT 450 ERW
- Placement into MATH 115 or higher
- Placement into ENGL 150 or higher

Transfer Student Admission Requirements

- 2.5 Cumulative College GPA (on a 4.00 scale)
- Placement into MATH 115 or higher

FERRIS STATE UNIVERSITY

- Placement into ENGL 150 or higher For Junior Status and smooth transition into the GRCC off campus cohort
 - Minimum completion of 60 transferable semester credit hours or more with a combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
 - Successful completion of COMM 121, ENGL 150, ENGL 250, MATH 126 or MATH 130, PHYS 211, MATL 240, Introductory Computer Aided Design (CAD) course, a Culture Competency course, a Self and Society Competency course, or transfer equivalent courses of C grade or higher.

MORE INFORMATION

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*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.

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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 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.

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PROJECT MANAGEMENT TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Project Management

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 120-124

Catalog Year: 2022-2023

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 105 or COMM 121	Interpersonal Communication or Fundamentals of Public Speaking	3	No Equivalent or COM 201
ENGL 150	English 1	3	ENG 101

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 102 or ENG 102
ENGL 311 or ENGL 321 or ENGL 325	Advanced Technical Writing or Advanced Composition 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

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	No Equivalent or MATH 100A or MATH 109

Natural Sciences Competency

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

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	ECON 102A
ECON 202	Principles of Macroeconomics	3	ECON 101A

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Elective	3	Varies

COLLEGE REQUIREMENTS – 81-84 Credits Required

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 201
ACCT 202	Principles of Managerial Accounting	3	ACC 202
STQM 260	Introduction to Statistics	3	MATH 115A
MGMT 301	Applied Management	3	BUS 122
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	BUS 260
MGMT 370	Quality and Operations Management	3	No Equivalent
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

36 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 105	Introduction to Microcomputer Systems and Software	3	CIS 110 or CIS 101 and CIS 115 and CIS 119
PROJ 300	Crisis Management	3	No Equivalent
MGMT 302	Team Dynamics and Organizational Behavior	3	BUS 222
MGMT 305	Agile Leadership	3	BUS 125
PROJ 320	Project Management Fundamentals	3	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PROJ 325	Agile Project Management	3	No Equivalent
PROJ 350	Project Scheduling	3	No Equivalent
PROJ 351	Project Communication	3	No Equivalent
PROJ 420	Managing Procurement	3	No Equivalent
PROJ 444	Project Risk and Quality Management	3	No Equivalent
PROJ 491 or Directed Elective (Advisor Approval)	Project Management Internship or Directed Elective (Advisor Approval)	3	No Equivalent
PROJ 499	Project Management Capstone	3	No Equivalent

Directed Electives or Minor

15-18 Credits Required. These courses are not used to calculate the major 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Varies (Advisor Approval)	15-18	Varies

PROGRAM CONTACT INFORMATION

College of Business

Accountancy, Finance, & Info Systems Department

(231) 591-2434

AFIS@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@Ferris.edu

Ferris Online

(231) 591-2340

Online@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:

a. ERW SAT score of 450 or higher.

b. Math SAT score of 500 or higher. Placement in MATH 109 or 110 will be considered (Math SAT score of 480 or higher).

c. Composite SAT of 900 or higher.

FERRIS STATE UNIVERSITY

- ACT Scores Two of the Three Criteria:
 - a. English ACT score of 16 or higher.
 - b. Math ACT score of 19 or higher.
 - c. 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.
- 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

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 a statewide location).

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](#).
- 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

FERRIS STATE UNIVERSITY

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.

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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

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PUBLIC RELATIONS TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Public Relations

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: Yes

Total Credits Required: 120-122

Catalog Year: 2024-2025

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.

FERRIS STATE UNIVERSITY

Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	COM 201
ENGL 150	English 1	3	ENG 101
ENGL 250	English 2	3	ENG 102
ENGL 325	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	No Equivalent or MATH 100A or MATH 109

Natural Sciences Competency

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

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 STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ECON 201	Principles of Microeconomics	3	ECON 102A
ECON 202	Principles of Macroeconomics	3	ECON 101A
PSYC 150	Introduction to Psychology	3	PSYC 201

COLLEGE REQUIREMENTS – 81-82 Credits Required

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 201
ACCT 202	Principles of Managerial Accounting	3	ACC 202
STQM 260	Introduction to Statistics	3	MATH 115A
MGMT 301	Applied Management	3	BUS 122
BLAW 301	Legal Environment of Business	3	No Equivalent
MKTG 321	Principles of Marketing	3	BUS 260
MGMT 370	Quality and Operations Management	3	No Equivalent
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

33 Credits Required. These courses are used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DSGN 100 or GCOM 131 or DSGN 224	Design Foundations or Building Professional Digital Documents or Web Design and Planning	3	No Equivalent
JRNL 121	Writing for Mass Media	3	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PREL 201	Public Relations Seminar	3	No Equivalent
PREL 240	Public Relations Principles	3	No Equivalent
PREL 341	Public Relations Tactics	3	No Equivalent
PREL 360	Reputation Management and Crisis Control	3	No Equivalent
AIMC 370	Social Media and Content Marketing	3	No Equivalent
MKTG 425	Marketing Research	3	No Equivalent
PREL 440	Public Relations Strategy	3	No Equivalent
PREL 455	Public Relations Campaigns	3	No Equivalent
PREL 491	Public Relations Internship	3	No Equivalent

Additional Requirements

6 Credits Required. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ISYS 105	Introduction to Microcomputer Systems and Software	3	CIS 101 and CIS 115 and CIS 119 or CIS 110
SOCY 121 or ANTH 122	Introductory Sociology or Introduction to Cultural Anthropology	3	SOC 101 or ANTH 110

CONCENTRATION – 12-13 Credits Required (Advisor Approval)

Choose One Concentration

Employee Relations Concentration (EMRL)

12 Credits Required. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MGMT 373	Human Resource Management	3	BUS 273A
MGMT 375	Negotiations	3	No Equivalent
MGMT 385	Recruitment and Selection	3	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Employee Relations Directed Elective (Advisor Approval)	3	Varies

Investor Relations Concentration (INRL)

12 Credits Required. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
FINC 300	Mathematics and Finance	3	No Equivalent
FINC 312	Financial Markets and Institutions	3	No Equivalent
FINC 323	Financial Management 2	3	No Equivalent
Varies	Finance Directed Elective (Advisor Approval)	3	Varies

Marketing Promotions Concentration (MKPR)

12 Credits Required. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MKTG 231	Professional Selling	3	BUS 161
AIMC 300	Principals of Advertising and Integrated Marketing Communications	3	BUS 263
MKTG 322	Consumer Behavior	3	No Equivalent
Varies	Marketing Promotions Directed Elective (Advisor Approval)	3	Varies

Media Relations Concentration (MDRL)

13 Credits Required. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
TDMP 243	Field Production	3	No Equivalent
TDMP 326	Script Writing	3	No Equivalent
JRNL 328	Feature and Opinion Writing	3	No Equivalent
ENGL 411	Professional and Technical Communication	4	No Equivalent

FERRIS STATE UNIVERSITY

Public Relations Concentration (PURE)

12 Credits Required. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Public Relations Directed Electives (Advisor Approval)	12	Varies

PROGRAM CONTACT INFORMATION

College of Business

Marketing

(231) 591-2426

MKTG@Ferris.edu

Ferris Statewide - Muskegon Community College

(616) 451-4777

FerrisMuskegon@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:
 - a. ERW SAT score of 450 or higher.
 - b. Math SAT score of 500 or higher. Placement in MATH 109 or 110 will be considered (Math SAT score of 480 or higher).
 - c. Composite SAT of 900 or higher.
- ACT Scores Two of the Three Criteria:
 - a. English ACT score of 16 or higher.
 - b. Math ACT score of 19 or higher.
 - c. 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. Developmental courses will not be considered in computing the GPA requirement.
- 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

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 a statewide location).

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

FERRIS STATE UNIVERSITY

Steps to Apply

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- 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.

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*Indicates an approved Ferris course substitution

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Transfer Equivalencies Tools

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FERRIS STATE UNIVERSITY

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SURVEYING ENGINEERING TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Surveying Engineering

Degree Type: Bachelor of Applied Science

Ferris College: College of Engineering Technology

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: No

Total Credits Required: 143

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 68 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 201
ENGL 150	English 1	3	ENG 101
* ENGL 250	English 2	3	ENG 102 or ENG 221

* SURE 365, 420, and 465 are Major Courses that are also considered Writing Intensive Courses (WICs) and satisfy the upper-level English requirement.

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 220	Analytical Geometry and Calculus 1	4	MATH 161

FERRIS STATE UNIVERSITY

Natural Sciences Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CHEM 121	General Chemistry 1	5	CHEM 101A
GEOL 131	Geology and Land Use Management	3	No Equivalent

Culture Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SURE 331	Ethics and Professionalism in Engineering Technology	3	No Equivalent
Varies	Cultural Electives	6	Varies

Self and Society Competency

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives	9	Varies

Additional General Education Requirements

These courses are additional General Education courses to meet the requirements for this specific program.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 230	Analytical Geometry and Calculus 2	4	MATH 162A
PHYS 241	General Physics 1	5	PHYS 203L&L
PHYS 242	General Physics 2	5	PHYS 204L&L
MATH 322	Linear Algebra	3	MATH 276
MATH 330	Differential Equations	3	MATH 295

COLLEGE REQUIREMENTS – 75 Credits Required

Major Courses

75 Credits Required. These courses are used to calculate the major 2.00 GPA requirement.

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SURE 110	Fundamentals of Surveying	4	No Equivalent
SURE 115	Introduction to Computer Mapping	2	No Equivalent
CONM 121	Materials Properties and Testing	3	No Equivalent
SURE 215	Surveying Computations	3	No Equivalent
CENG 220	Engineering Surveying	3	No Equivalent
GISC 225	Principles of Geographic Information Systems	3	No Equivalent
CENG 240	Engineering Statistics	3	No Equivalent
SURE 230	Advanced Surveying	3	No Equivalent
GISC 239	Remote Sensing	3	No Equivalent
SURE 272	Programming Applications in Geomatics	2	No Equivalent
CENG 321	Hydraulics Engineering	4	No Equivalent
SURE 340	Photogrammetry	3	No Equivalent
SURE 365	Legal Aspects of Surveying 1	3	No Equivalent
SURE 366	Evidence and Procedure for Boundary Locations	3	No Equivalent
SURE 372	Adjustment Computations 1	2	No Equivalent
SURE 373	Adjustment Computations 2	3	No Equivalent
SURE 420	Professional Practice of Surveying	3	No Equivalent
CENG 421	Soils Engineering	4	No Equivalent
GISC 425	Technical Issues in Geographic Information Systems and Cartography	3	No Equivalent
SURE 440	Advanced Photogrammetry	3	No Equivalent
SURE 452	Geodesy 1	4	No Equivalent
SURE 453	Geodesy 2	4	No Equivalent

FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SURE 465	Legal Aspects of Surveying 2	3	No Equivalent
CENG 499	Applied Research in Surveying Engineering	4	No Equivalent

PROGRAM CONTACT INFORMATION

College of Engineering Technology
Survey Engineering Technology Programs
(231) 591-2633
Surveying@Ferris.edu

Ferris Statewide - Muskegon Community College
(616) 451-4777
FerrisMuskegon@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.75 High School GPA (on a 4.00 scale) (2.50 -2.74 with college approval)
- Minimum Composite Score of ACT 18/SAT 950, Math Score of ACT 26/SAT 620,
- Placement into MATH 220

Transfer Student Admission Requirements

- 2.50 College GPA (on a 4.00 scale)
- Placement into MATH 120 or higher

MORE INFORMATION

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 a statewide location).

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](#).
- Submit official transcripts
 - Submit official transcripts from every school attended to Transfer@Ferris.edu
 - Or mail to:
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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

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FERRIS STATE UNIVERSITY

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.

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*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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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.

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SURVEYING TECHNOLOGY TRANSFER GUIDE FOR MUSKEGON COMMUNITY COLLEGE

Ferris Program: Surveying Technology

Degree Type: Associate of Applied Science

Ferris College: College of Engineering Technology

Transfer School: Muskegon Community College (MUSKCC)

Consortium Eligible: No

Total Credits Required: 61

GENERAL EDUCATION REQUIREMENTS – 28 Credits Required

Students are encouraged to work with an advisor to select appropriate general education courses. Ferris State University General Education www.ferris.edu/gened.

Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 150	English 1	3	ENG 101 or BCOM 102
ENGL 250	English 2	3	ENG 102 or ENG 221

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 115	Intermediate Algebra	3	MATH 100A or MATH 109

Natural Sciences Competency

One course is required with a minimum of 3 credits: must be a lab course.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
GEOL 131	Geology and Land Use Management	3	No Equivalent

Culture Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SURE 331	Ethics and Professionalism in Engineering Technology	3	No Equivalent

Self and Society Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Self and Society Electives	3	Varies

Additional General Education Requirements

These courses are additional General Education courses to meet the requirements for this specific program.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	COM 201
MATH 120	Trigonometry	3	MATH 112
MATH 130	Advanced Algebra and Analytical Trigonometry	4	No Equivalent

COLLEGE REQUIREMENTS – 33 Credits Required

Major Courses

29 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CENG 220	Engineering Surveying	3	No Equivalent
GISC 225	Principles of Geographic Information Systems	3	No Equivalent
GISC 239	Remote Sensing	3	No Equivalent
SURE 110	Fundamentals of Surveying	4	No Equivalent
SURE 115	Introduction to Computer Mapping	2	No Equivalent
SURE 215	Surveying Computations	3	No Equivalent
SURE 230	Advanced Surveying	3	No Equivalent
SURE 272	Programming Applications in Geomatics	2	No Equivalent
SURE 340	Photogrammetry	3	No Equivalent
SURE 365	Legal Aspects of Surveying 1	3	No Equivalent

Technical Related Courses

3 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
CONM 121	Materials Properties and Testing	3	No Equivalent

Additional Requirements

1 Credit Required.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SURE 100	Introduction to Surveying Engineering	1	No Equivalent

PROGRAM CONTACT INFORMATION

College of Engineering Technology
Survey Engineering Technology Programs
(231) 591-2633
Surveying@Ferris.edu

Ferris Statewide - Muskegon Community College
(616) 451-4777
FerrisMuskegon@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.75 High School GPA (on a 4.00 scale) (2.50 -2.74 with college approval)
- Minimum Composite Score of ACT 18/SAT 950, Math Score of ACT 19/SAT 500
- Placement into MATH 115

Transfer Student Admission Requirements

- 2.50 College GPA (on a 4.00 scale)
- Placement into MATH 115

MORE INFORMATION

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 a statewide location).

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](#).
- 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

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