

**Ferris Program:** Allied Health Sciences

**Degree Type:** Bachelor of Science

**Ferris College:** College of Health Professions

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Articulation Agreement:** Yes

**Total Credits Required:** 123-125

**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are May 1, 2023 - May 1, 2026.

### 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	SPCH 2100 or SPCH 1060 or SPCH 1200
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2 or Industrial and Career Writing	3	ENGL 1190 or ENGL 1220
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

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 115 or MATH 116 or MATH 117	Intermediate Algebra or Intermediate Algebra and Numerical Trigonometry or Contemporary Mathematics	3-4	MATH 1050/X or No Equivalent or MATH 1100/X

## 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, 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 – 84 Credits Required

### College of Health Professions (COHP) Core Curriculum

15 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	HITT 1107
COHP 450	Evidence-Based Health Care	3	No Equivalent
COHP 471	Trends in Health Care	3	No Equivalent

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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	No Equivalent
PUBH 320	Nutrition and Health	3	No Equivalent
COHP 330	OSHA Law	2	No Equivalent
HCSA 336	Health Care Supervisory Practices	3	HITT 2203
SOCY 340	Race and Ethnicity in the United States	3	SOCY 2550
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

## 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](mailto:CHP@Ferris.edu)

# FERRIS STATE UNIVERSITY

Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@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.
- 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](mailto: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.

# FERRIS STATE UNIVERSITY

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](https://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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## ARTIFICIAL INTELLIGENCE TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Artificial Intelligence

**Degree Type:** Bachelor of Science

**Ferris College:** College of Business

# FERRIS STATE UNIVERSITY

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** No

**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.

### 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	SPCH 2100 or SPCH 1060 or SPCH 1200
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
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

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 1050/X

### 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 1170 or ECON 1160
Varies	Self and Society Electives	6	Varies

## COLLEGE REQUIREMENTS – 81 Credits Required

### Major Courses

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ARTI 113	Introduction to Artificial Intelligence	3	No Equivalent
CLOU 131	Cloud Computing Fundamentals	3	No Equivalent
ACCT 201	Principles of Financial Accounting	3	ACCT 1080
ARTI 238	Biometrics	4	No Equivalent
STQM 260	Introduction to Statistics	3	MATH 1340
STQM 270	Introduction to Data Mining	3	No Equivalent
CLOU 280	Current Topics in Cloud and Cybersecurity	3	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ARTI 300	Artificial Intelligence Concepts and Problem Solving	3	No Equivalent
ISIN 300	Link and Visual Analysis	3	No Equivalent
ISIN 301	Data Intelligence Competitive Theory	3	No Equivalent
ISIN 306	Security Informatics	3	No Equivalent
MKTG 321	Principles of Marketing	3	MKTG 1010
STQM 322	Inferential Statistics	3	No Equivalent
ISIN 325	Database Security	3	No Equivalent
PROJ 325	Agile Project Management	3	No Equivalent
ARTI 330	Natural Language Processing	3	No Equivalent
STQM 342	Data Mining Tools	3	No Equivalent
ARTI 350	Machine Learning	3	No Equivalent
STQM 360	Risk Analysis and Strategy	3	No Equivalent
ARTI 380	Special Topics in Artificial Intelligence	3	No Equivalent
ARTI 405	Artificial Intelligence Architecture and Design	3	No Equivalent
ISIN 406	Advanced Programming	3	No Equivalent
ISIN 429	Legal and Ethical Issues in Information Security	3	No Equivalent
ARTI 450	Deep Learning	3	No Equivalent
ARTI 491	Artificial Intelligence Internship	3	No Equivalent
ARTI 499	Artificial Intelligence Capstone Experience	3	No Equivalent

## Elective

2 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 2 credits of elective courses to meet the required 120 credit minimum. 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	Elective Courses	2	Varies

## PROGRAM CONTACT INFORMATION

### College of Business

Accountancy, Finance, & Info Systems Department

(231) 591-2434

[AFIS@Ferris.edu](mailto:AFIS@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@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 Artificial 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 Artificial 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

- Minimum 3.00 College 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 Artificial 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 Artificial Intelligence program.
  - A description of a personal quality, talent, accomplishment, contribution, or experience.
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1201 S. State St., CSS 201  
Big Rapids, MI 49307
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# FERRIS STATE UNIVERSITY

## 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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## Transfer Equivalencies Tools

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## Disclaimer

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# FERRIS STATE UNIVERSITY

## AUTOMOTIVE MANAGEMENT (2+2) OPTION ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Automotive Management (2+2) Option

**Degree Type:** Bachelor of Science

**Ferris College:** College of Engineering Technology

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Articulation Agreement:** Yes

**Total Credits Required:** 120-122

**Catalog Year:** 2024-2025

Articulation Agreement under revision.

### 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	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
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

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

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 115 or MATH 117	Intermediate Algebra or Contemporary Mathematics	3 or 4	MATH 1050/X or MATH 1100/X

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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 (sub for PHYS 130)	Concepts in Physics	4	*PHYS 1180
Varies	Natural Science Electives	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

## 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

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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.

## PROGRAM CONTACT INFORMATION

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

Ferris Statewide - Macomb Community College  
(586) 445-7150  
[FerrisSE@Ferris.edu](mailto:FerrisSE@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

# FERRIS STATE UNIVERSITY

## MORE INFORMATION

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# FERRIS STATE UNIVERSITY

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## Transfer Equivalencies Tools

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## BUSINESS ADMINISTRATION ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Business Administration  
**Degree Type:** Bachelor of Science  
**Ferris College:** College of Business  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** Yes  
**Articulation Agreement:** Yes  
**Total Credits Required:** 120-122  
**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are from July 1, 2024 to July 1, 2027.

## GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

Students are encouraged to work with an advisor to select appropriate general education courses. Diversity Competency - 2 Courses Required. If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following: 1 course with the Global Diversity attribute and 1 course with the U.S. Diversity attribute. Visit the Ferris State [general education](#) page for more information.

## Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 105 or COMM 121 or COMM 221	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making	3	SPCH 2100 or SPCH 1060 or SPCH 1200

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
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

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 1050/X

## 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 1170
ECON 202	Principles of Macroeconomics	3	ECON 1160
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	ACCT 1080
ACCT 202	Principles of Managerial Accounting	3	ACCT 1090
STQM 260	Introduction to Statistics	3	MATH 1340
MGMT 301	Applied Management	3	MGMT 1010
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	MKTG 1010
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 core 2.00 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ISYS 105	Introduction to Microcomputer Systems and Software	3	ITCS 1010
RMIN 200 or PROJ 320 or Accounting (ACCT) Elective or Finance (FINC) Elective or	Foundations Risk Management and Insurance or Project Management Fundamentals or	3	Varies

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Statistics (STQM) Elective	Accounting (ACCT) Elective or Finance (FINC) Elective or Statistics (STQM) Elective		
MGMT 302	Team Dynamics and Organizational Behavior	3	MGMT 2100
MGMT 305	Agile Leadership	3	No Equivalent
INTB 310 or INTB 335	International Business Systems or Cross-Cultural Business	3	BUSN 2100 or No Equivalent
MGMT 350	Management Metrics and Decision Making	3	No Equivalent
MGMT 373	Human Resource Management	3	MGMT 1155
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	BUSN 2016 or 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 (BUSZ).

Online certificate descriptions can be found at <https://www.ferris.edu/online/programs/index.htm>. Students wishing to complete an online minor should choose from the following:

- Digital Marketing
- Human Resource Management
- Information Security & Intelligence
- International Business
- Lean Systems
- Leadership and Project Management
- Risk Management

# FERRIS STATE UNIVERSITY

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](mailto:MGMT@Ferris.edu)

Ferris Statewide - Macomb Community College  
(586) 445-7150  
[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

Ferris Online  
(231) 591-2340  
[Online@Ferris.edu](mailto: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

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.

## Steps to Apply

- Complete your [free application](#).
- Submit official transcripts
  - Submit official transcripts from every school attended to [Transfer@Ferris.edu](mailto:Transfer@Ferris.edu)
  - Or mail to:  
Ferris State University Admissions Office  
1201 S. State St., CSS 201  
Big Rapids, MI 49307
- Submit test scores (if required)
  - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
  - SAT, CLEP and AP Scores; go to the [College Board website](#) - Ferris State University School Code: 1222

## Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, transfer policies and have any questions answered prior to completing an application. Ferris accepts transfer courses in which the student earned a letter grade of "C" or better. Additional policies such as the Ferris Sunset and Residency Requirement should be discussed with a Ferris advisor. Students who are completing the MTA may have different general education course requirements for the particular degree selected.

Meeting with a Ferris advisor prior to the selection of general education or elective coursework may reduce the chance of completing a course that will not apply toward the selected degree. Students must work with their Ferris advisor to declare a Minor or Concentration and for the selection of Directed Electives.

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

To schedule an appointment or for additional transfer resources and policies see our [Transfer Resource page](#).

\*Indicates an approved Ferris course substitution

## Reverse Transfer Agreement

Ferris has reverse transfer agreements with several Michigan Community Colleges. Under such agreement, Ferris will provide your official University transcript to a partner school you have attended, so that they may grant you an associate or bachelor's degree upon completion of sufficient and appropriate credit hours from both institutions. In turn, the degree-granting institution will provide Ferris with an updated transcript reflecting the newly earned credential.

## Michigan Transfer Agreement (MTA)

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program-specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

## Transfer Equivalencies Tools

The transfer equivalencies link is located in the Transfer Resources section at [transfer.ferris.edu](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

ARTICULATION AGREEMENT

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at [TransferGuidesArticulations@Ferris.edu](mailto:TransferGuidesArticulations@Ferris.edu).

BUSINESS ADMINISTRATION WITH PROFESSIONAL TRACK ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

**Ferris Program:** Business Administration with Professional Track  
**Degree Type:** Bachelor of Science  
**Ferris College:** College of Business  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** Yes  
**Articulation Agreement:** Yes  
**Total Credits Required:** 120-122  
**Catalog Year:** 2024-2025

The effective dates for this articulation are under revision.

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	SPCH 2100 or SPCH 1060 or SPCH 1200
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 2050 or ENGL 1190 or ENGL 1220

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 325	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

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 114 or MATH 115	Quantitative Reasoning for Professionals 2 or Intermediate Algebra	4 or 3	No Equivalent or MATH 1050/X

## 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 1170
ECON 202	Principles of Macroeconomics	3	ECON 1160

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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	ACCT 1080
ACCT 202	Principles of Managerial Accounting	3	ACCT 1090
STQM 260	Introduction to Statistics	3	MATH 1340
MGMT 301	Applied Management	3	MGMT 1010
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	MKTG 1010
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	ITCS 1010
MGMT 302	Team Dynamics and Organizational Behavior	3	MGMT 2100
MGMT 305	Agile Leadership	3	No Equivalent
INTB 310 or INTB 335	International Business Systems or Cross-Cultural Business	3	BUSN 2100 or No Equivalent
MGMT 350	Management Metrics and Decision Making	3	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MGMT 373	Human Resource Management	3	MGMT 1155
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	BUSN 2016 or No Equivalent
MGMT 491	Management Internship	3	No Equivalent

## 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](mailto:MGMT@Ferris.edu)

Ferris Statewide - Macomb Community College  
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[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

Ferris Online  
(231) 591-2340  
[Online@Ferris.edu](mailto: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.



# 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.
- 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

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](mailto: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.

## 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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

## ARTICULATION AGREEMENT

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

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**Ferris Program:** Criminal Justice - Generalist

**Degree Type:** Bachelor of Science

**Ferris College:** College of Business

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Articulation Agreement:** Yes

**Total Credits Required:** 120-121

**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are November 1, 2022 - November 1, 2025.

# FERRIS STATE UNIVERSITY

## 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	SPCH 2100 or SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
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

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 114 or MATH 115	Quantitative Reasoning for Professionals 2 or Intermediate Algebra	4 or 3	No Equivalent or MATH 1050/X or MATH 1100/X

### 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 Science Electives	6	Varies

# FERRIS STATE UNIVERSITY

## 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
SOCY 121	Introductory Sociology	3	SOCY 1010
PSYC 150	Introduction to Psychology	3	PSYC 1010
(Choose 1 of 6) SOCY 225	Marriage and the Family	3	SOCY 2450
(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	SOCY 2550
(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

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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
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 Micro Systems and Software	3	ITAP 1000 or ITCS 1010
CRIM 110	Introduction to Criminal Justice	3	LAW 1100
CRIM 111 or CRIM 112 or CRIM 113	Introduction to Corrections or Introduction to United States Legal Systems or Introduction to Law Enforcement	3	LAW 1120 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	BUSN 1010 or ACCT 1080 or No Equivalent
CRIM 220	Supervision and Management in Criminal Justice	3	LAW 1280
CRIM 260	Delinquency Prevention and Control	3	LAW 1410
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

# FERRIS STATE UNIVERSITY

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

## PROGRAM CONTACT INFORMATION

### College of Business

School of Criminal Justice

(231) 591-5080

[SchoolofCriminalJustice@Ferris.edu](mailto:SchoolofCriminalJustice@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@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.

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  - 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

# FERRIS STATE UNIVERSITY

## 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.

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](https://transfer.ferris.edu).

## Disclaimer

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# FERRIS STATE UNIVERSITY

## ARTICULATION AGREEMENT

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## DENTAL HYGIENE ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Dental Hygiene  
**Degree Type:** Bachelor of Science  
**Ferris College:** College of Health Professions  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** Yes  
**Articulation Agreement:** Yes  
**Total Credits Required:** 121-122  
**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are May 1, 2023 - May 1, 2026.

### 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	SPCH 2100 or SPCH 1060 or SPCH 1200
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
ENGL 321 or ENGL 325	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

Requirements for Quantitative Literary 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 115 or MATH 116 or MATH 117	Intermediate Algebra or Intermediate Algebra and Numerical Trigonometry or Contemporary Mathematics	3 or 4 or 4	MATH 1050/X or No Equivalent or MATH 1100/X

### Natural Sciences Competency

Two courses are required with a minimum of 6 credits: must have at least one lab course. BIOL 108, 251, 252, CHEM 114, or acceptable equivalents from associate degree. Include another course with a lab from accredited Dental Hygiene program.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
BIOL 108 or BIOL 251 and BIOL 252 or CHEM 114	Medical Microbiology or Human Anatomy and Human Physiology or Introduction to General Chemistry	3 or 6 or 4	BIOL 2730 or BIOL 2710
Varies	Natural Sciences Electives (Consult Advisor)	3	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 320 is recommended.

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
SOCY 121	Introductory Sociology	3	SOCY 1010
PSYC 150	Introduction to Psychology	3	PSYC 1010
Varies	Self and Society Elective (Consult Advisor)	3	Varies

# FERRIS STATE UNIVERSITY

## COLLEGE REQUIREMENTS – 82 Credits Required

### College of Health Professions (COHP) Core Curriculum

11 Credits Required. COHP 100, 101, and 102 can be met with Dental Hygiene (DH) license.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 100	Orientation to Medical Vocabulary	1	HHSC 1700
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	HITT 1107
COHP 450	Evidence-Based Health Care	3	No Equivalent

### Major Courses

71 Credits Required. An Associate of Applied Science (AAS) in Dental Hygiene is required and satisfies 40 of the 71 credits required. Admission also requires valid Registered Dental Hygienist (RDH) or Licensed Dental Hygienist (LDH) license and a minimum 2.50 GPA (on a 4.00 scale).

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DHYG 300	Dental Hygiene Role Transition	3	No Equivalent
DHYG 315	Health Promotion and Wellness	3	No Equivalent
COHP 317	Public Health Organizations	2	No Equivalent
DHYG 320	Dental Hygiene Informatics	4	No Equivalent
MKTG 321	Principles of Marketing	3	MKTG1010
DHYG 330	Instructional Role of the Dental Hygienist	3	No Equivalent
DHYG 400	Community Program Assessment and Planning	4	No Equivalent
DHYG 415	Gerontology in Dental Hygiene	3	No Equivalent
DHYG 491	Dental Hygiene Practicum	3	No Equivalent
DHYG 499	Dental Hygiene Capstone	3	No Equivalent

# FERRIS STATE UNIVERSITY

## PROGRAM CONTACT INFORMATION

### College of Health Professions

Department of Diagnostic, Laboratory and Therapeutic Sciences

(231) 591-2270

[CHP@Ferris.edu](mailto:CHP@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

### Ferris Online

(231) 591-2340

[Online@Ferris.edu](mailto:Online@Ferris.edu)

## ADMISSION REQUIREMENTS

### New Student Admission Requirements

- Must have completed or be in the final academic year of an associate degree in an accredited Dental Hygiene program from an accredited college or university.
- 2.50 College GPA (on a 4.00 scale)

### 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 or be in the final academic year of an associate degree in a dental hygiene program from an accredited college or 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 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](mailto: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
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# FERRIS STATE UNIVERSITY

## 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.

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](https://transfer.ferris.edu).

## Disclaimer

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FERRIS STATE UNIVERSITY

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DIGITAL ANIMATION AND GAME DESIGN TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

**Ferris Program:** Digital Animation and Game Design  
**Degree Type:** Bachelor of Applied Science  
**Ferris College:** College of Business  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** No  
**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.

Communication Competency

The upper level English requirement can be met one of three ways. The first way is taking ENGL 311, 321, 323, or 325. The second way is taking two courses with the Communication Across the Curriculum (CATC) attribute and one course with the Oral Communication (COMM) attribute. The third way is by taking three courses with the Communication Across the Curriculum (CATC) attribute.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 105 or COMM 121 or COMM 221 or COMM 251	Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making or Argumentation and Debate	3	SPCH 2100 or SPCH 1060 or SPCH 1200 or SPCH 2550
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 2050 or ENGL 1190 or ENGL 1200
(Choose 1 of 5) ENGL 311	Advanced Technical Writing	3	No Equivalent
(Choose 1 of 5) ENGL 321	Advanced Composition	3	No Equivalent
(Choose 1 of 5) ENGL 323	Proposal Writing	3	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(Choose 1 of 5) ENGL 325	Advanced Business Writing	3	No Equivalent
(Choose 1 of 5) TDMP 326	Script 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

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 1050/X

## 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

# FERRIS STATE UNIVERSITY

## COLLEGE REQUIREMENTS – 81 Credits Required

### Major Courses

49 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 100	3D Modeling and Animation 1	3	MACA 2540
DAGD 104	Digital Imaging	3	MACA 1320
DAGD 150	Introduction to Game Design and Development	3	No Equivalent
DAGD 155	Introduction to Coding for Games	3	ITCS 1950 or ITCS 2050
DAGD 204	Digital Imaging for 3D	3	No Equivalent
DAGD 230	3D Modeling and Animation 2	3	MACA 2520
TDMP 243	Field Production	3	MACA 1400
DAGD 260	Multimedia Design	3	No Equivalent
DAGD 305	Portfolio	3	No Equivalent
DAGD 310	Interaction Design	3	No Equivalent
BLAW 321	Contracts and Sales	3	No Equivalent
DAGD 340	Junior Project	3	No Equivalent
DAGD 491	Applied Internship	3	No Equivalent
DAGD 498	Seminar	1	No Equivalent
DAGD 499	Capstone	3	No Equivalent
PROJ 325	Agile Project Management	3	No Equivalent

### Electives

11 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 11 credits of elective courses to meet the required 120 credit minimum. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Electives (Advisor Approval)	8	Varies

# FERRIS STATE UNIVERSITY

## CONCENTRATION – 21 Credits Required

Choose One Concentration

### 3D Animation Concentration (AN3D)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 280	Digital Sculpting	3	No Equivalent
DAGD 301	Animation Techniques	3	No Equivalent
DAGD 335	3D Modeling and Animation 3 - Rendering, Lights, and Materials	3	No Equivalent
DAGD 345	Contemporary Tools and Techniques	3	No Equivalent
DAGD 375	Advanced 3D - Character	3	No Equivalent
DAGD 385	Advanced Modeling and Animation - Vehicle and Structure	3	No Equivalent
DAGD 430	Digital FX	3	No Equivalent

### Game Development Concentration (GMDV)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 255	Game Programming 1	3	No Equivalent
DAGD 300	Level Design	3	No Equivalent
DAGD 302	Procedural Animation Techniques	3	No Equivalent
DAGD 320	Multiplayer Game Programming	3	No Equivalent
DAGD 355	Game Programming 2	3	No Equivalent
DAGD 420	Applied Digital Simulation	3	No Equivalent
DAGD 460	Multimedia 2	3	No Equivalent

### General Concentration (GDAG)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
TDMP 136	Audio Production	3	No Equivalent
(Choose 6 of 15) DAGD 255	Game Programming 1	3	No Equivalent
(Choose 6 of 15) DAGD 280	Digital Sculpting	3	No Equivalent



# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(Choose 6 of 15) DAGD 300	Level Design	3	No Equivalent
(Choose 6 of 15) DAGD 301	Animation Techniques	3	No Equivalent
(Choose 6 of 15) DAGD 302	Procedural Animation Techniques	3	No Equivalent
(Choose 6 of 15) DAGD 320	Multiplayer Game Programming	3	No Equivalent
(Choose 6 of 15) DAGD 335	3D Modeling and Animation 3 - Rendering, Lights, and Materials	3	No Equivalent
(Choose 6 of 15) DAGD 345	Contemporary Tools and Techniques	3	No Equivalent
(Choose 6 of 15) DAGD 355	Game Programming 2	3	No Equivalent
(Choose 6 of 15) DAGD 375	Advanced 3D - Character	3	No Equivalent
(Choose 6 of 15) DAGD 385	Advanced Modeling and Animation - Vehicle and Structure	3	No Equivalent
(Choose 6 of 15) DAGD 420	Applied Digital Simulation	3	No Equivalent
(Choose 6 of 15) DAGD 430	Digital FX	3	No Equivalent
(Choose 6 of 15) DAGD 460	Multimedia 2	3	No Equivalent
(Choose 6 of 15) Varies	Elective Course (Advisor Approval)	3	No Equivalent

## PROGRAM CONTACT INFORMATION

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

Ferris Statewide - Macomb Community College  
 (586) 445-7150  
[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

# FERRIS STATE UNIVERSITY

## 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.

### Steps to Apply

- Complete your [free application](#).
- Submit official transcripts
  - Submit official transcripts from every school attended to [Transfer@Ferris.edu](mailto: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)
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### 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.

# FERRIS STATE UNIVERSITY

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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)

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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](https://transfer.ferris.edu).

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## DIGITAL MEDIA SOFTWARE ENGINEERING TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Digital Media Software Engineering

**Degree Type:** Bachelor of Science

**Ferris College:** College of Business

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Total Credits Required:** 125-126

**Catalog Year:** 2024-2025

# 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	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
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 2220
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	ITCS 1140 or ITCS 2590
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	ITCS 2830
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	ITCS 2140 or ITCS 1170 or No Equivalent
ECON 201 or ECON 202	Principles of Microeconomics or Principles of Macroeconomics	3	ECON 1170 or ECON 1160
STQM 260	Introduction to Statistics	3	MATH 1340

### Mathematics Courses

14 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
MATH 220	Analytical Geometry and Calculus 1	4	MATH 1760
MATH 230	Analytical Geometry and Calculus 2	4	MATH 1770
MATH 322	Linear Algebra	3	MATH 2000
MATH 328	Discrete Structures	3	MATH 2200

### Business and Management Courses

9 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PHIL 216	Introduction to Ethics	3	PHIL 2100

## FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PROJ 320 or PROJ 325	Project Management Fundamentals or Agile Project Management	3	No Equivalent
BLAW 321 *Substitute MKTG 321	Contracts and Sales	3	No Equivalent *Substitute MKTG 1010

### 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	MACA 2510 or MACA 2540
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](mailto:SDM@ferris.edu)

Ferris Statewide - Macomb Community College  
(586) 445-7150  
[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

Ferris Online  
(231) 591-2340  
[Online@Ferris.edu](mailto: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).

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](mailto: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.



# FERRIS STATE UNIVERSITY

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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

## EARLY CHILDHOOD EDUCATION ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Early Childhood Education

**Degree Type:** Bachelor of Science

**Ferris College:** College of Arts, Sciences, and Education

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Articulation Agreement:** Yes

**Total Credits Required:** 122-127

# FERRIS STATE UNIVERSITY

**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are April 1, 2023 - April 1, 2026.

## 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	SPCH 1060
ENGL 150	English 1 (B or higher)	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2 (B or higher)	3	ENGL 1190 or ENGL 1220
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

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 or MATH 117	Quantitative Reasoning for Professionals 2 or Intermediate Algebra or Contemporary Mathematics	4 or 3 or 4	No Equivalent or MATH 1050/X or MATH 1415 or MATH 1100/X

### 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 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.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
LITR 326	Children's Literature	3	ENGL 2640
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.

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	SOCY 1010
PSYC 150	Introduction to Psychology	3	PSYC 1010
SOCY 225	Marriage and the Family	3	SOCY 2450

## 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	No Equivalent  *EDCD 101 is waived with a completed Associate degree in Early Childhood Education.
EDCD 112	Theories of Child Development	3	ECHS 1100
EDCD 115	Observation and Documentation of Children	3	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EDCD 160	Role of the Early Childhood Teacher	3	ECHS 2220
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	ECHS 1150
EDCD 211	Methods for Teaching Preschool and School Age Children	4	ECHS 1200
EDLA 261	Foundations of Literacy	3	No Equivalent
EDCD 295	Early Childhood Education Practicum	6	ECHS 2330 & ECHS 2550
EDCD 308	Teaching Special Needs in Early Childhood Education	3	ECHS 1520
EDCD 340	Family Engagement in Early Childhood	3	ECHS 1250
EDCD 350	Curriculum Perspectives in Early Childhood Education	3	No Equivalent
EDCD 380	Advocacy in Early Childhood Education	3	ECHS 2315
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	ECHS 2000

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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
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	HHSC 1700
EDUC 251	Human Growth Development	3	No Equivalent
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	SOCY 2000
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	ECHS 2000
EDLA 311	Advanced Foundations of Literacy Pre-	3	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
	Kindergarten through Third Grade		
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

## 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	ACCT 1080
MGMT 301	Applied Management	3	MGMT 1010
MGMT 310	Small Business Management	3	MGMT 1210
MKTG 321	Principles of Marketing	3	MKTG 1010
EDCD 410	Early Childhood Education Management and Leadership	3	ECHS 1710

## PROGRAM CONTACT INFORMATION

College of Arts, Sciences, and Education

School of Education

(231) 591-5361

[SOE@Ferris.edu](mailto:SOE@Ferris.edu)

Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@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.
- 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).

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](mailto: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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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

## FERRIS STATE UNIVERSITY

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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

## ARTICULATION AGREEMENT

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at [TransferGuidesArticulations@Ferris.edu](mailto:TransferGuidesArticulations@Ferris.edu).

## ELEMENTARY EDUCATION TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Elementary Education

**Degree Type:** Bachelor of Science

**Ferris College:** College of Arts, Sciences, and Education

**Transfer School:** Macomb Community College (MCC)

**Consortium Eligible:** Yes

**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.



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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	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
ENGL 321	Advanced Composition	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

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 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 MATH 1050/X or MATH 1100/X

## 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 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 STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
HIST 121	United States History to 1877	3	HIST 2100
HIST 230	Michigan History	3	HIST 2390
LITR 326	Children's Literature	3	ENGL 2640

### 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 2000
PLSC 121	American Government 1 - People & Politics	3	No Equivalent
ECON 201	Principles of Microeconomics	3	ECON 1170

### COLLEGE REQUIREMENTS – 79-81 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 1280
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	MATH 1290

### PRE-KINDERGARTEN THROUGH THIRD GRADE CONCENTRATION (ELPK) – 64-66 Credits Required

Choose one concentration.

#### 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 not used to calculate the major 2.75 GPA requirement.

# FERRIS STATE UNIVERSITY

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

## Level 2 Courses

38-39 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 not 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

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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-Kindergarten through Sixth Grade	4	No Equivalent
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 not 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) – 64-65 Credits Required

Choose one concentration.

# FERRIS STATE UNIVERSITY

## 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 not 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
EDUC 261	Children's Healthy Living	2	No Equivalent
EDUC 289	Principles of Teaching & Learning	3	No Equivalent

## Level 2 Courses

38-39 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 not 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

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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-Kindergarten through Sixth Grade	4	No Equivalent
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 not 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

# FERRIS STATE UNIVERSITY

[SOE@Ferris.edu](mailto:SOE@Ferris.edu)

Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@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.
- 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](mailto: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.

# FERRIS STATE UNIVERSITY

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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

## HVACR ENGINEERING TECHNOLOGY AND ENERGY MANAGEMENT TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** HVACR Engineering Technology and Energy Management

**Degree Type:** Bachelor of Science

**Ferris College:** College of Engineering Technology

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Total Credits Required:** 124

**Catalog Year:** 2024-2025

## 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.



# FERRIS STATE UNIVERSITY

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	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 2050 or ENGL 1190 or ENGL 1220
ENGL 311	Advanced Technical 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

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	No Equivalent or MATH 1415 and MATH 1435 or MATH 1465

## 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
ECON 201	Principles of Microeconomics	3	ECON 1170
Varies	Self and Society Electives	6	Varies

## COLLEGE REQUIREMENTS – 84 Credits Required

### Major Courses

84 Credits Required. In addition to the required courses in this section, a student must have an approved associate degree totaling 42 credits.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
HVAC 285	Heating, Ventilation, and Air Conditioning System Design Using Business Information Modeling	2	No Equivalent
HVAC 312	Control Theory and Application	4	No Equivalent
HVAC 321	Heating, Ventilation, and Air Conditioning Air System Select and Design	4	No Equivalent
HVAC 325	Heating, Ventilation, and Air Conditioning Hydronic System Select Design	4	No Equivalent
HVAC 342	Load Analysis and Energy Modeling	4	No Equivalent
HVAC 350	Contracting Issues in Heating, Ventilation, Air Conditioning, and Refrigeration	4	No Equivalent
HVAC 393	Summer Internship	4	No Equivalent
HVAC 415	Direct Digital Control	4	No Equivalent
HVAC 451	Energy Audit and Analysis	4	No Equivalent
HVAC 462	Heating, Ventilation, and Air Conditioning Primary Equipment Selection	4	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
HVAC 499	Commercial Heating, Ventilation, and Air Conditioning System Design	4	No Equivalent

## PROGRAM CONTACT INFORMATION

### College of Engineering Technology

HVACR Engineering Technology and Energy Management Programs

(231) 591-3773

[HVACRProgram@Ferris.edu](mailto:HVACRProgram@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

### Ferris Online

(231) 591-2340

[Online@Ferris.edu](mailto:Online@Ferris.edu)

## ADMISSION REQUIREMENTS

### New Student Admission Requirements

- The HVACR Engineering Technology and Energy Management, 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 HVACR Technology, AAS program.

### Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Students must have completed the Associate of Applied Science (AAS) in HVACR Technology (HVAR) program at Ferris State University or an equivalent associate program at another institution with a minimum 2.50 GPA (on a 4.00 scale).
- Successful completion of COMM 121, ENGL 150 and (ENGL 211 or ENGL 250), MATH 115 or MATH 116, a Natural Science Competency course with lab component, a Self and Society Competency course, or transfer equivalent courses of C grade or higher.
- Fully Online Admission Requirements:
- AAS in HVACR or Related degree with HVAC work experience upon program approval
- 2.5 Cumulative GPA
- Completion of MATH 115 or 116 or equivalent with C or better
- Completion of ENGL 150 or equivalent with C or better (Recommend completion of ENGL 211 or 250) Recommend
- Completion of Natural Science with a Lab with C 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.

# FERRIS STATE UNIVERSITY

## Steps to Apply

- Complete your [free application](#).
- Submit official transcripts
  - Submit official transcripts from every school attended to [Transfer@Ferris.edu](mailto:Transfer@Ferris.edu)
  - Or mail to:  
Ferris State University Admissions Office  
1201 S. State St., CSS 201  
Big Rapids, MI 49307
- Submit test scores (if required)
  - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
  - SAT, CLEP and AP Scores; go to the [College Board website](#) - Ferris State University School Code: 1222

## Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, transfer policies and have any questions answered prior to completing an application. Ferris accepts transfer courses in which the student earned a letter grade of "C" or better. Additional policies such as the Ferris Sunset and Residency Requirement should be discussed with a Ferris advisor. Students who are completing the MTA may have different general education course requirements for the particular degree selected.

Meeting with a Ferris advisor prior to the selection of general education or elective coursework may reduce the chance of completing a course that will not apply toward the selected degree. Students must work with their Ferris advisor to declare a Minor or Concentration and for the selection of Directed Electives.

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

To schedule an appointment or for additional transfer resources and policies see our [Transfer Resource page](#).

\*Indicates an approved Ferris course substitution

## Reverse Transfer Agreement

Ferris has reverse transfer agreements with several Michigan Community Colleges. Under such agreement, Ferris will provide your official University transcript to a partner school you have attended, so that they may grant you an associate or bachelor's degree upon completion of sufficient and appropriate credit hours from both institutions. In turn, the degree-granting institution will provide Ferris with an updated transcript reflecting the newly earned credential.

## Michigan Transfer Agreement (MTA)

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program-specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

## Transfer Equivalencies Tools

The transfer equivalencies link is located in the Transfer Resources section at [transfer.ferris.edu](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

HEALTH INFORMATION MANAGEMENT ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

**Ferris Program:** Health Information Management  
**Degree Type:** Bachelor of Science  
**Ferris College:** College of Health Professions  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** Yes  
**Articulation Agreement:** Yes  
**Total Credits Required:** 124-125  
**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are June 1, 2024 to June 1, 2027.

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	SPCH 2100 or SPCH 1200
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
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 STATE UNIVERSITY

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 1050/X

## 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	HHSC 1740 or BIOL 2710
Varies	Natural Sciences Electives (Consult Advisor)	2 - 3	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

### 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

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COHP 350	Statistics in Health Care	3	HITT 1107
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	HITT 1102
MRIS 103	Medical Terminology	3	HHSC 1700
MRIS 121	Health Information Statistics	2	No Equivalent
MRIS 122	Health Information Concepts	4	HITT 1210
MRIS 204	ICD-10-CM Coding	4	HITT 1209
MRIS 205	ICD-10-PCS Coding	4	HITT 2108
MRIS 209	Quality Management in Health Care	3	HITT 2202
MRIS 210	Fundamentals of Disease Processes	4	HITT 1201
MRIS 211	CPT Coding	3	HITT 2109 and HITT 2208
MRIS 220	Legal and Ethical Aspects in Health Information Management	3	HITT 1106
MRIS 221	Foundations of Reimbursement	3	HITT 2105
MRIS 261	Health Information Technology Review	1	HITT 2204
MRIS 293	Professional Practice 1	6	HITT 2207
MRIS 402	Health Information Management Principles	3	No Equivalent
MRIS 461	Health Information Management Review	1	No Equivalent
MRIS 493	Professional Practice 2	10	No Equivalent

# FERRIS STATE UNIVERSITY

## 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	ITCS 1010
COHP 300	Health Informatics	3	HITT 1211
HCSA 310	Health Care Finance 2	3	No Equivalent
HCSA 336	Health Care Supervisory Practices	3	HITT 2203
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](mailto:CHP@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

### Ferris Online

(231) 591-2340

[Online@Ferris.edu](mailto: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

### 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.



## 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 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](#).
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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

### 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.

# FERRIS STATE UNIVERSITY

## 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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

## ARTICULATION AGREEMENT

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at [TransferGuidesArticulations@Ferris.edu](mailto:TransferGuidesArticulations@Ferris.edu).

## INDUSTRIAL TECHNOLOGY AND MANAGEMENT ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Industrial Technology and Management

**Degree Type:** Bachelor of Applied Science

**Ferris College:** College of Engineering Technology

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Articulation Agreement:** Yes

**Total Credits Required:** 120-121

**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are November 1, 2022 - November 1, 2025.

## 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.

# FERRIS STATE UNIVERSITY

## Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 2050 or ENGL 1190 or ENGL 1220
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 1415 and MATH 1435 or MATH 1465

## 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 1180
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 STATE UNIVERSITY

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

## 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	MGMT 1010
PROJ 320	Project Management Fundamentals	3	No Equivalent
MKTG 321	Principles of Marketing	3	MKTG 1010
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 Managment	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.

# FERRIS STATE UNIVERSITY

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](mailto:ITMPPProgram@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

### Ferris Online

(231) 591-2340

[Online@Ferris.edu](mailto:Online@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
  - Submit official transcripts from every school attended to [Transfer@Ferris.edu](mailto: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.

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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

FERRIS STATE UNIVERSITY

ARTICULATION AGREEMENT

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at [TransferGuidesArticulations@Ferris.edu](mailto:TransferGuidesArticulations@Ferris.edu).

INFORMATION SECURITY AND INTELLIGENCE ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR  
MACOMB COMMUNITY COLLEGE

**Ferris Program:** Information Security and Intelligence  
**Degree Type:** Bachelor of Science  
**Ferris College:** College of Business  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** Yes  
**Articulation Agreement:** Yes  
**Total Credits Required:** 120-128  
**Catalog Year:** 2024-2025

The effective dates of this articulation agreement are under revision.

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	SPCH 2100 or SPCH 1060 or SPCH 1200
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
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



# FERRIS STATE UNIVERSITY

- Official Math ACT Score of 24 or Higher

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 1050/X

## Natural Sciences Competency

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

## 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.

## 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 1170 or ECON 1160
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	ACCT 1080
STQM 260	Introduction to Statistics	3	MATH 1340
MGMT 301	Applied Management	3	MGMT 1010
MKTG 321	Principles of Marketing	3	MKTG 1010

### Major Courses

57 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
ISIN 121	Digital Security Awareness	3	ITCS 1010
ISIN 200	Secure Digital Technologies	3	No Equivalent
ISIN 209	Network Security	3	ITNT 1500
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
ISIN 360	Risk Analysis and Strategy	3	
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 491	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.

# FERRIS STATE UNIVERSITY

## Digital Forensics and Penetration Testing Concentration (DFPN)

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
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)

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.

## Custom Concentration (CUST)

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

## Minor

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

## PROGRAM CONTACT INFORMATION

### College of Business

Accountancy, Finance, & Info Systems Department

(231) 591-2434

[AFIS@Ferris.edu](mailto:AFIS@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

# FERRIS STATE UNIVERSITY

Ferris Online

(231) 591-2340

[Online@Ferris.edu](mailto: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](mailto: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.

# FERRIS STATE UNIVERSITY

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](https://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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## INTEGRATIVE STUDIES TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Integrative Studies

**Degree Type:** Bachelor of Science

**Ferris College:** College of Arts, Sciences, and Education

FERRIS STATE UNIVERSITY

Transfer School: Macomb Community College (MACOCC)

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.

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	SPCH 2100 or SPCH 1060 or SPCH 1200
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
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

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 1050/X

# 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](mailto:CASEDeansOffice@Ferris.edu)

Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

Ferris Online

(231) 591-2340

[Online@Ferris.edu](mailto: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).

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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- Submit official transcripts
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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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# FERRIS STATE UNIVERSITY

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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](https://transfer.ferris.edu).

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## MARKETING TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Marketing

**Degree Type:** Bachelor of Science

**Ferris College:** College of Business

**Transfer School:** Macomb Community College (MCC)

**Consortium Eligible:** No

**Total Credits Required:** 120-122

**Catalog Year:** 2024-2025



# FERRIS STATE UNIVERSITY

## GENERAL EDUCATION REQUIREMENTS – 39-41 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	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 2050 or ENGL 1190 or ENGL 1220
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

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 1050/X or MATH 1415

### 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, have at least one 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

# FERRIS STATE UNIVERSITY

## 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.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PSYC 150	Introduction to Psychology	3	PSYC 1010
ECON 201	Principles of Microeconomics	3	ECON 1170
ECON 202	Principles of Macroeconomics	3	ECON 1160

## 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	ACCT 1080
ACCT 202	Principles of Managerial Accounting	3	ACCT 1090
STQM 260	Introduction to Statistics	3	MATH 1340
MGMT 301	Applied Management	3	MGMT 1010
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	MKTG 1010
ISYS 321	Business Information Systems	3	No Equivalent
FINC 322	Financial Management 1	3	No Equivalent
MGMT 370	Quality and Operations Management	3	No Equivalent
BUSN 499	Integrating Experience	3	No Equivalent

### Additional Requirements

9 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
ISYS 105	Introduction to Micro Systems and Software	3	ITCS 1010

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Free Electives (Advisor Approval)	6	Varies

## Major Courses

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
MKTG 200 or PREL 140 or AIMC 382 or MKTG 383	Marketing, Branding & You or Public Relations Principles or Business-to-Business Digital Marketing or Direct and Digital Marketing	3	No Equivalent
MKTG 231	Professional Selling	3	MKTG 2010
AIMC 300	Principles of Advertising/ Integrated Marketing Communications	3	MKTG 2020
MKTG 322	Consumer Behavior	3	MKTG 2060
MKTG 378	Marketing Data Analysis	3	No Equivalent
MKTG 425	Marketing Research	3	No Equivalent
MKTG 441	International Marketing	3	No Equivalent
MKTG 472	Supply Chain Management	3	No Equivalent
MKTG 491	Marketing Internship	3	No Equivalent
MKTG 499	Marketing Strategy Capstone	3	No Equivalent

## CONCENTRATION – 12 Credits Required (Advisor Approval)

Choose One Concentration

### Specializations in Marketing Concentration (SMKT)

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

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

### Marketing Industry Specific Concentration (MKIS)

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
Varies	Industry Specific Electives (Advisor Approval)	12	Varies

## PROGRAM CONTACT INFORMATION

College of Business

Marketing

(231) 591-2426

[MKTG@Ferris.edu](mailto:MKTG@Ferris.edu)

Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@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.

### Steps to Apply

- Complete your [free application](#).

# FERRIS STATE UNIVERSITY

- Submit official transcripts
  - Submit official transcripts from every school attended to [Transfer@Ferris.edu](mailto:Transfer@Ferris.edu)
  - Or mail to:  
Ferris State University Admissions Office  
1201 S. State St., CSS 201  
Big Rapids, MI 49307
- Submit test scores (if required)
  - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
  - SAT, CLEP and AP Scores; go to the [College Board website](#) - Ferris State University School Code: 1222

## Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, transfer policies and have any questions answered prior to completing an application. Ferris accepts transfer courses in which the student earned a letter grade of "C" or better. Additional policies such as the Ferris Sunset and Residency Requirement should be discussed with a Ferris advisor. Students who are completing the MTA may have different general education course requirements for the particular degree selected.

Meeting with a Ferris advisor prior to the selection of general education or elective coursework may reduce the chance of completing a course that will not apply toward the selected degree. Students must work with their Ferris advisor to declare a Minor or Concentration and for the selection of Directed Electives.

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

To schedule an appointment or for additional transfer resources and policies see our [Transfer Resource page](#).

\*Indicates an approved Ferris course substitution

## Reverse Transfer Agreement

Ferris has reverse transfer agreements with several Michigan Community Colleges. Under such agreement, Ferris will provide your official University transcript to a partner school you have attended, so that they may grant you an associate or bachelor's degree upon completion of sufficient and appropriate credit hours from both institutions. In turn, the degree-granting institution will provide Ferris with an updated transcript reflecting the newly earned credential.

## Michigan Transfer Agreement (MTA)

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program-specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.

## Transfer Equivalencies Tools

The transfer equivalencies link is located in the Transfer Resources section at [transfer.ferris.edu](https://transfer.ferris.edu).

## Disclaimer

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

# FERRIS STATE UNIVERSITY

Ferris to keep informed of changes. Students' final responsibility for verifying all transfer information lies with the student. Please refer to the [Ferris catalog](#) for the most current curriculum. Partners may contact the Office of Transfer and Secondary School Partnerships with questions or updates at [TransferGuidesArticulations@Ferris.edu](mailto:TransferGuidesArticulations@Ferris.edu).

## 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](http://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 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

#### 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
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

#### Major Courses

48 Credits Required.

# FERRIS STATE UNIVERSITY

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.

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



# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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](mailto:Surveying@Ferris.edu)

Ferris Statewide - Kalamazoo Valley Community College  
(269) 782-1214  
[FerrisSW@Ferris.edu](mailto: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](#).
- Submit official transcripts
  - Submit official transcripts from every school attended to [Transfer@Ferris.edu](mailto: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.

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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

# FERRIS STATE UNIVERSITY

## ARTICULATION AGREEMENT

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at [TransferGuidesArticulations@Ferris.edu](mailto:TransferGuidesArticulations@Ferris.edu).

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

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**Ferris Program:** Nursing - RN to BSN Completion

**Degree Type:** Bachelor of Science in Nursing

**Ferris College:** College of Health Professions

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Articulation Agreement:** Yes

**Total Credits Required:** 120-121

**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are May 1, 2023 - May 1, 2026. This Articulation Agreement and Transfer Guide establishes a transfer pathway from the Registered Nurse (RN) ADN degree at Macomb Community College into the Nursing - RN to BSN Completion, B.S. degree at Ferris State University.

### 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	SPCH 2100 or SPCH 1060 or SPCH 1200
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
ENGL 321	Advanced Composition	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

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 116 or MATH 117	Quantitative Reasoning for Professionals 2 or Intermediate Algebra or Intermediate Algebra and Numerical Trigonometry or Contemporary Mathematics	3-4	No Equivalent or MATH 1050/X or No Equivalent or MATH 1100/X

### 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 2710
BIOL 108 or BIOL 286	Medical Microbiology or General Microbiology	3	BIOL 2730 or BIOL 2400

### 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
RELG 215 or PHIL 216	Comparative Religions or Introduction to Ethics	3	HUMN 1700 or PHIL 2100
Varies	Culture Electives (Consult Advisor)	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
PSYC 150	Introduction to Psychology	3	PSYC 1010
Varies	Self and Society Electives (Consult Advisor)	6	Varies

## COLLEGE REQUIREMENTS – 81 Credits Required

# FERRIS STATE UNIVERSITY

## 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	Varies
COHP 101	The United States Health Care System	3	Varies
COHP 102	Safety Issues in Health Care	1	Varies
COHP 350	Statistics in Health Care	3	HITT 1107
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

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(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
(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](mailto:CHP@Ferris.edu)

[Ferris Statewide - Macomb Community College](#)  
(586) 445-7150  
[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

[Ferris Online](#)  
(231) 591-2340  
[Online@Ferris.edu](mailto: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.

## FERRIS STATE UNIVERSITY

- 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

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

- Complete your [free application](#).
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Ferris State University Admissions Office  
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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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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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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.



# FERRIS STATE UNIVERSITY

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## Transfer Equivalencies Tools

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## ARTICULATION AGREEMENT

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## PROFESSIONAL ESPORTS PRODUCTION TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

**Ferris Program:** Professional Esports Production  
**Degree Type:** Bachelor of Science  
**Ferris College:** College of Business  
**Transfer School:** Macomb Community College (MACOCC)  
**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 121	Fundamentals of Public Speaking	3	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1100 or



# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
			ENGL 1220
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 114 or MATH 115	Quantitative Reasoning for Professionals 2 or Intermediate Algebra	4 or 3	No Equivalent or MATH 1050 /X

## 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
PSYC 150	Introduction to Psychology	3	PSYC 1010
COMM 365	Intercultural Communication	3	SPCH 2300
Varies	Self and Society Elective	3	Varies

## COLLEGE REQUIREMENTS – 79 Credits Required

# FERRIS STATE UNIVERSITY

## Required Business Courses

27 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
DAGD 104 or TDMP 132	Digital Imaging or Digital Media Art and Technology	3	No Equivalent or MACA 1320
TDMP 110	Introduction to Digital Media	3	ELEC 1250 or SPCH 1460
ISIN 121	Digital Security Awareness	3	ITCS 1010 or ITIA 1200
STQM 260	Introduction to Statistics	3	MATH 1340
BLAW 301 or BLAW 321	Legal Environment of Business or Contracts and Sales	3	No Equivalent
HSMG 301	Hospitality Facility Management	3	No Equivalent
MGMT 301	Applied Management	3	MGMT 1010
MKTG 321	Principles of Marketing	3	MKTG 1010
MKTG 425	Marketing Research	3	No Equivalent

## Major Courses

34 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ESPT 100	Introduction to Esports	3	No Equivalent
ESPT 110	Game Studies	3	No Equivalent
ESPT 201	Esports Casting and Streaming	1	No Equivalent
ESPT 202	Esports Event Management	1	No Equivalent
ESPT 203	Esports Security	1	No Equivalent
ESPT 204	Esports Coaching	1	No Equivalent
HSMG 240	Digital Event Production	3	No Equivalent
ESPT 260	Content Creation Tools and Techniques	3	No Equivalent
TDMP 315	Live Streaming and Recording	3	No Equivalent

## FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ESPT 350	Psychology of Play and Players	3	No Equivalent
ESPT 360	Live Streaming Interface Design	3	No Equivalent
ESPT 425	Culture and Diversity in Gaming	3	No Equivalent
ESPT 498	Capstone	3	No Equivalent
ESPT 499	Practicum	3	No Equivalent

### Industry Related Courses

6 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PLSC 323	International Organizations	3	No Equivalent
COMM 383	Mass and Social Media Communication	3	SPCH 1400

### CONCENTRATIONS – 12 Credits Required (Advisor Approval)

Choose One Concentration

#### Coaching and Psychology Concentration (CAPS)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PSYC 325	Social Psychology	3	PSYC 2600
PSYC 326	Industrial and Organizational Psychology	3	PSYC 2400
PSYC 331	Psychology of Personality	3	No Equivalent
Varies	Directed Elective (Advisor Approval)	3	Varies

#### Event Management Concentration (ESEV)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
HSMG 300	Guest Service Management	3	No Equivalent
HSMG 305	Convention Sales and Service	3	No Equivalent
HSMG 401	Event Management 1	3	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
HSMG 402	Event Management 2	3	No Equivalent

## General Concentration (GESP)

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
(Choose 4 of 8) HSMG 300	Guest Service Management	3	No Equivalent
(Choose 4 of 8) HSMG 305	Convention Sales and Service	3	No Equivalent
(Choose 4 of 8) HSMG 401	Event Management 1	3	No Equivalent
(Choose 4 of 8) HSMG 402	Event Management 2	3	No Equivalent
(Choose 4 of 8) PSYC 325	Social Psychology	3	PSYC 2600
(Choose 4 of 8) PSYC 326	Industrial and Organizational Psychology	3	PSYC 2400
(Choose 4 of 8) PSYC 331	Psychology of Personality	3	No Equivalent
(Choose 4 of 8) Varies	Directed Elective (Advisor Approval)	3	Varies

## PROGRAM CONTACT INFORMATION

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

Ferris Statewide - Macomb Community College  
(586) 445-7150  
[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

Ferris Online  
(231) 591-2340  
[Online@Ferris.edu](mailto:Online@Ferris.edu)

## ADMISSION REQUIREMENTS

### New Student Admission Requirements

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

### Transfer Student Admission Requirements

- Combined college or university GPA of 2.00 (on a 4.00 scale) from all institutions attended.

# FERRIS STATE UNIVERSITY

- 12 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).

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](mailto: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.

# FERRIS STATE 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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

# PROJECT MANAGEMENT TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

**Ferris Program:** Project Management  
**Degree Type:** Bachelor of Science  
**Ferris College:** College of Business  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** Yes  
**Total Credits Required:** 120-125  
**Catalog Year:** 2024-2025

## GENERAL EDUCATION REQUIREMENTS – 39-41 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	SPCH 2100 or SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	ENGL 1190 or ENGL 1220
ENGL 311 or ENGL 321 or ENGL 325	Advanced Technical Writing or	3	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
	Advanced Composition or Advanced Business Writing		

## 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

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 1050/X

## 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, have at least one 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 1170
ECON 202	Principles of Macroeconomics	3	ECON 1160
Varies	Self and Society Elective	3	Varies

# FERRIS STATE UNIVERSITY

## 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	ACCT 1080
ACCT 202	Principles of Managerial Accounting	3	ACCT 1090
STQM 260	Introduction to Statistics	3	MATH 1340
MGMT 301	Applied Management	3	MGMT 1010
BLAW 321	Contracts and Sales	3	No Equivalent
MKTG 321	Principles of Marketing	3	MKTG 1010
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	ITAP 1000 or ITCS 1010
PROJ 300	Crisis Management	3	No Equivalent
MGMT 302	Team Dynamics and Organizational Behavior	3	MGMT 2100
MGMT 305	Agile Leadership	3	No Equivalent
PROJ 320	Project Management Fundamentals	3	No Equivalent
PROJ 325	Agile Project Management	3	No Equivalent
PROJ 350	Project Scheduling	3	No Equivalent
PROJ 351	Project Communication	3	No Equivalent



# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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](mailto:AFIS@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150  
[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

### Ferris Online

(231) 591-2340  
[Online@Ferris.edu](mailto: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.

# 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.
- 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](mailto: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.

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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

PSYCHOLOGY TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

**Ferris Program:** Psychology  
**Degree Type:** Bachelor of Science  
**Ferris College:** College of Arts, Sciences, and Education  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** Yes  
**Total Credits Required:** 120-121  
**Catalog Year:** 2024-2025

GENERAL EDUCATION REQUIREMENTS – 33 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	SPCH 2100 or SPCH 1060 or SPCH 1200

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
ENGL 311 or ENGL 321 or ENGL 323 or ENGL 325	Advanced Technical Writing or Advanced Composition or Advanced Proposal Writing 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

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 115	Intermediate Algebra	3	MATH 1050/X

## Natural Sciences Competency

Two courses are required with a minimum of 6 credits: must have at least one lab course. BIOL 101 and BIOL 109 are strongly recommended.

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.

ANTH 122, SOCY 121, or SOCY 122 is needed if a student is pursuing the Forensic Psychology Concentration (FPSY) in the Psychology bachelor program (PSYC-BS).

# FERRIS STATE UNIVERSITY

Students in the General Psychology Concentration (GPSY) may choose any non-psychology Self and Society Competency course to complete the requirements, but ANTH 122, SOCY 121, or SOCY 122 are recommended.

PSYC 150, and PSYC 226, 341, or 342 are met in Major Requirements.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ANTH 121 or ANTH 122	Introduction to Physical Anthropology or Introduction to Cultural Anthropology	3	ANTH 1200 or ANTH 1100

## COLLEGE REQUIREMENTS – 87 Credits Required

### Major Requirements

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PSYC 150	Introduction to Psychology	3	PSYC 1010
PSYC 210	Statistics for Psychological Sciences	3	PSYC 2170
PSYC 226 or PSYC 341 or PSYC 342	Lifespan of Human Development or Child Psychology or Psychology of Adolescence	3	PSYC 2450 or PSYC 2210 or PSYC 2220
PSYC 280	Psychological Research Methods and Design	3	No Equivalent
PSYC 325 or PSYC 331 or PSYC 422	Social Psychology or Psychology of Personality or Abnormal Psychology	3	PSYC 2600 or No Equivalent or PSYC 2800
PSYC 360 or PSYC 365	Physiological Psychology or Sensation and Perception	3	PSYC 2750 or No Equivalent
PSYC 406 or PSYC 410	Cognitive Psychology or Behavior Modification	3	No Equivalent
PSYC 480 or PSYC 491	Directed Research Experience or Human Services Internship and Practicum	3	No Equivalent
PSYC 482	Senior Seminar in Psychology	3	No Equivalent

# FERRIS STATE UNIVERSITY

## Electives

36 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 36 credits of elective courses to meet the required 120 credit minimum. These courses are not used to calculate the major 2.50 GPA requirement.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Electives (Advisor Approval)	36	No Equivalent

## CONCENTRATION – 24 Credits Required (Advisor Approval)

Choose One Concentration

### General Psychology Concentration (GPSY)

PSYC 478 and PSYC Varies (Independent Study in Psychology) can be taken a second time for a total of 6 credits or one of each may be taken for a total of 6 credits. No combination of PSYC 478 and/or PSYC Varies (Independent Study in Psychology) can account for more than 6 credits of major directed electives. These courses are used to calculate the major 2.50 GPA requirement.

The following Ferris courses can be used for this concentration, **if not taken** in the above Major Courses section: PSYC 226, PSYC 325, PSYC 331, PSYC 341, PSYC 342, PSYC 360, PSYC 365, PSYC 406, PSYC 410, PSYC 422, and PSYC 491.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PSYC 310	Educational Psychology	3	PSYC 2310
PSYC 326	Industrial-Organizational Psychology	3	PSYC 2400
SOCY 345	The Field of Aging	3	SOCY 2121
PSYC 350	Introduction to Forensic Psychology	3	PSYC 2850
Varies	General Psychology Concentration Credits (Advisor Approval)	12	Varies

### Forensic Psychology Concentration (FPSY)

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

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SOCY 242	Sociology of Deviant Behavior	3	No Equivalent
PSYC 335	Police Psychology	3	No Equivalent
PSYC 350	Introduction to Forensic Psychology	3	PSYC 2850

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
PSYC 375	Forensic Child Psychology	3	No Equivalent
Varies	General Psychology Concentration Course (Advisor Approval)	12	See above concentration section for equivalents.

## PROGRAM CONTACT INFORMATION

### College of Arts, Sciences, & Education

Social and Behavioral Sciences

(231) 591-2735

[SBSC@Ferris.edu](mailto:SBSC@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@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

- 2.00 College GPA (on a 4.00 scale)

## 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

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- Submit official transcripts
  - Submit official transcripts from every school attended to [Transfer@Ferris.edu](mailto: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



## 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.

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)

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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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

## SURVEYING ENGINEERING TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Surveying Engineering

**Degree Type:** Bachelor of Applied Science

**Ferris College:** College of Engineering Technology

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Total Credits Required:** 135



GENERAL EDUCATION REQUIREMENTS – 59 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	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
* ENGL 250	English 2	3	ENGL 1190 or ENGL 1220

\* 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 1760

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 1170
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.

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Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
SURE 331	Ethics and Professionalism in Engineering Technology	3	No Equivalent
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, 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 1770
PHYS 241	General Physics 1	5	PHYS 2220
PHYS 242	General Physics 2	5	PHYS 2230
MATH 322	Linear Algebra	3	MATH 2000
MATH 330	Differential Equations	3	MATH 2770

## COLLEGE REQUIREMENTS – 75 Credits Required

### Major Courses

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

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	CIVL 1000
SURE 215	Surveying Computations	3	No Equivalent
CENG 220	Engineering Surveying	3	No Equivalent
GISC 225	Principles of Geographic Information Systems	3	No Equivalent

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
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
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](mailto:Surveying@Ferris.edu)

Ferris Statewide - Macomb Community College  
 (586) 445-7150  
[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

# FERRIS STATE UNIVERSITY

## 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](mailto: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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

# SURVEYING TECHNOLOGY TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

**Ferris Program:** Surveying Technology  
**Degree Type:** Associate of Applied Science  
**Ferris College:** College of Engineering Technology  
**Transfer School:** Macomb Community College (MACOCC)  
**Consortium Eligible:** Yes  
**Total Credits Required:** 61  
**Catalog Year:** 2024-2025

## 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](https://www.ferris.edu/gened).

### Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220

# FERRIS STATE UNIVERSITY

## 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

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 115	Intermediate Algebra	3	MATH 1050/X

## 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

10 Credits Required. 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
COMM 121	Fundamentals of Public Speaking	3	SPCH 1060
MATH 120	Trigonometry	3	MATH 1435
MATH 130	Advanced Algebra and Analytical Trigonometry	4	MATH 1465

# FERRIS STATE UNIVERSITY

## 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	CIVL 1105
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	CIVL 1000

### Additional Requirements

1 Credit Required.

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

# FERRIS STATE UNIVERSITY

(231) 591-2633

[Surveying@Ferris.edu](mailto:Surveying@Ferris.edu)

Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@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](mailto: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](https://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](mailto:TransferGuidesArticulations@Ferris.edu).

## WELDING ENGINEERING TECHNOLOGY ARTICULATION AGREEMENT AND TRANSFER GUIDE FOR MACOMB COMMUNITY COLLEGE

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**Ferris Program:** Welding Engineering Technology

**Degree Type:** Bachelor of Applied Science

**Ferris College:** College of Engineering Technology

**Transfer School:** Macomb Community College (MACOCC)

**Consortium Eligible:** Yes

**Articulation Agreement:** Yes

**Total Credits Required:** 129

**Catalog Year:** 2024-2025

The effective dates for this articulation agreement are under revision.

## GENERAL EDUCATION REQUIREMENTS – 46 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.

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## Communication Competency

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
COMM 121	Fundamentals of Public Speaking	3	SPCH 1060
ENGL 150	English 1	3	ENGL 1181 or ENGL 1210
ENGL 250	English 2	3	ENGL 1190 or ENGL 1220
ENGL 311	Advanced Technical 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

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 130	Advanced Algebra and Analytical Trigonometry	4	MATH 1415 and MATH 1435 or MATH 1465

## 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 114	Introduction to General Chemistry	4	No Equivalent
PHYS 211	Introductory Physics 1	4	PHYS 1180

## 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 STATE UNIVERSITY

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

## COLLEGE REQUIREMENTS – 83 Credits Required

### Major Courses

35 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
WELD 212	Quality Testing	4	No Equivalent
WELD 311	Welding Automation and Robotics 1	4	No Equivalent
WELD 312	Design of Weldments	3	No Equivalent
WELD 321	Welding Automation and Robotics 2	4	No Equivalent
WELD 322	Advanced Resistance Welding	3	No Equivalent
WELD 393	Internship	4	No Equivalent
WELD 411	Advanced Welding Processes	3	No Equivalent
WELD 412	Computer Aided Weldment Design	4	No Equivalent
WELD 422	Welding Metallurgy	3	No Equivalent
WELD 499	Project Engineering and Management	3	No Equivalent

### Technical Related Courses

8 Credits Required.

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
EAET 301	Controls for Automation	3	MECT 2215
MECH 250	Fluid Power with Controls	2	MECT 1310 and MECT 1320
MFGE 353	Statistical Quality Control	3	No Equivalent

### Associate Degree Coursework

A total of 40 credits from the Associate of Applied Science (AAS) in Welding Technology (WELT) degree, or equivalent, approved by the department.

# FERRIS STATE UNIVERSITY

Ferris Course	Ferris Course Title	Ferris Credit Hours	Transfer Course
Varies	Associate of Applied Science (AAS) in Welding Technology (WELT) Credits	40	Varies

## PROGRAM CONTACT INFORMATION

### College of Engineering Technology

Welding Engineering Technology Programs

(231) 591-2511

[WeldingDegrees@Ferris.edu](mailto:WeldingDegrees@Ferris.edu)

### Ferris Statewide - Macomb Community College

(586) 445-7150

[FerrisSE@Ferris.edu](mailto:FerrisSE@Ferris.edu)

## ADMISSION REQUIREMENTS

### New Student Admission Requirements

- The Welding 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 Welding Technology, AAS program.

### Transfer Student Admission Requirements

- Must have completed an Associate of Applied Science degree in Welding Technology.
- 3.00 College GPA (on a 4.00 scale)
- Placement in MATH 130
- Placement in EEET 301
- Completed PHYS 211, ETEC 140 and MATL 240 or equivalents

## MORE INFORMATION

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# FERRIS STATE UNIVERSITY

## Advising Notes

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# FERRIS STATE UNIVERSITY

## ARTICULATION AGREEMENT

The original, signed document is kept on file in the Office of Transfer and Secondary School Partnerships. To obtain a copy of the original, signed document, contact the Office of Transfer and Secondary School Partnerships at [TransferGuidesArticulations@Ferris.edu](mailto:TransferGuidesArticulations@Ferris.edu).