

FERRIS STATE UNIVERSITY

ALLIED HEALTH SCIENCES TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Allied Health Sciences
Degree Type: Bachelor of Science
Ferris College: College of Health Professions
Transfer School: Alpena Community College (ACC)
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 University General Education webpage](#) 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 | SPE 121 or SPE 123 or No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 321 | Advanced Composition | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------------------|---|---------------------|-------------------------------------|
| MATH 115 or MATH 116 or MATH 117 | Intermediate Algebra or Intermediate Algebra and Numerical Trigonometry or Contemporary Mathematics | 3 or 4 or 4 | MTH 113 or MTH 116 or No Equivalent |

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

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

COLLEGE REQUIREMENTS – 81 Credits Required

College of Health Professions (COHP) Core Curriculum

12 Credits Required.

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

Major Courses

19 Credits Required. Choose from the following courses.

| 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 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| COHP 330 | OSHA Law | 2 | No Equivalent |
| HCSA 336 | Health Care Supervisory Practices | 3 | No Equivalent |
| SOCY 340 | Race and Ethnicity in the United States | 3 | No Equivalent |
| PSYC 345 | Psychology Death and Dying | 3 | No Equivalent |
| COHP 351 | Introduction to Gerontology | 3 | No Equivalent |
| COHP 352 | Health and Physical Aspects of Aging | 3 | No Equivalent |
| COHP 353 | Health Care for Older Adults | 3 | No Equivalent |
| COHP 354 | Policies, Issues, and Trends in Aging | 3 | No Equivalent |
| COHP 450 | Evidence-Based Health Care | 3 | No Equivalent |

Professional and Clinical Courses

50 Credits Required. (Advisor Approval)

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

PROGRAM CONTACT INFORMATION

College of Health Professions

Department of Health Administration and Health Information

(231) 591-2270

CHP@Ferris.edu

Ferris Statewide - Alpena

(231) 995-1734

FerrisNorth@Ferris.edu

Ferris Online

(231) 591-2340

Online@Ferris.edu

FERRIS STATE UNIVERSITY

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
 - 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.

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.

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

Ferris Program: Automotive Management (2+2) Option

Degree Type: Bachelor of Science

Ferris College: College of Engineering Technology

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS — 39-40 Credits Required

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

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

FERRIS STATE UNIVERSITY

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-------------------------|---|---------------------|-----------------------|
| COMM 121 | Fundamentals of Public Speaking | 3 | SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 211 or ENGL 250 | Industrial and Career Writing or English 2 | 3 | ENG 123 or ENG 112 |
| ENGL 311 | Advanced Technical Writing | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-------------------------|---|---------------------|-----------------------|
| MATH 115 or MATH 117 | Intermediate Algebra or Contemporary Mathematics | 3 or 4 | MTH 113 or MTH 118 |

Natural Sciences Competency

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------------|---------------------|-----------------|
| PHYS 211 | Introductory Physics 1 | 4 | PHY 121 |
| Varies | Natural Sciences Elective | 3 or 4 | Varies |

Culture Competency

Three courses are required with a minimum of 9 credits: must be from two different disciplines and have at least one 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 STATE UNIVERSITY

| 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 Materials | 4 | No Equivalent |
| AMGT 301 | Automotive Marketing and Distribution 1 | 4 | No Equivalent |
| AMGT 302 | Automotive Marketing and Distribution 2 | 4 | No Equivalent |
| AMGT 303 | Automotive Accounting | 4 | No Equivalent |
| AMGT 360 | Automotive Culture | 3 | No Equivalent |
| AMGT 401 | Management of Fixed Operations | 4 | No Equivalent |
| AMGT 402 | Management of Variable Operations | 4 | No Equivalent |
| AMGT 404 | Warranty and Customer Relations | 3 | No Equivalent |
| AMGT 460 | Automotive Internet Marketing | 3 | No Equivalent |
| AMGT 493 | Automotive Management Internship | 4 | No Equivalent |
| AMGT 499 | Automotive Management Capstone | 1 | No Equivalent |

Technical Related Courses

3 Credits Required.

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

Additional Requirements

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

FERRIS STATE UNIVERSITY

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

PROGRAM CONTACT INFORMATION

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

Ferris Statewide - Alpena
(231) 995-1734
FerrisNorth@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

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

MORE INFORMATION

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at a statewide location).

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Big Rapids, MI 49307
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BIOLOGY TRANSFER GUIDE FOR DELTA COLLEGE

Ferris Program: Biology

Degree Type: Bachelor of Science

FERRIS STATE UNIVERSITY

Ferris College: College of Arts, Sciences, and Education

Transfer School: Alpena Community College (ACC)

Consortium Eligible: No

Total Credits Required: 120-121

Catalog Year: 2022-2023

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 | SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 311 or ENGL 321 or ENGL 323 | Advanced Technical Writing or Advanced Composition or Proposal 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

The MATH course required depends on the course required in the chosen concentration; see the Concentration section.

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, have at least one 200 level or higher course.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| Varies | Culture Electives (Consult Advisor) | 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, and at least oneself and Society Foundation course. The recommended or required courses to meet this competency depends on the chosen concentration: (see program check sheet).

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

COLLEGE REQUIREMENTS – 90-91 Credits Required

Major Courses

16 Credits Required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--|--|---------------------|-----------------|
| BIOL 121 | General Biology 1 | 4 | No Equivalent |
| BIOL 122 | General Biology 2 | 4 | No Equivalent |
| BIOL 346 or BIOL 347 or BIOL 442 | Ecological Assessment or Environmental Conservation or Ecology | 3 | No Equivalent |
| BIOL 375 | Principles of Genetics | 3 | No Equivalent |
| BIOL 460 | Current Topics in Biology | 2 | No Equivalent |

Supporting Sciences

10 Credits Required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------|---------------------|-----------------|
| CHEM 121 | General Chemistry 1 | 5 | CEM 121 |
| CHEM 122 | General Chemistry 2 | 5 | CEM 122 |

Electives

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 25 credits of elective courses to meet the required 120 credit minimum. MGMT 310 is recommended if the Biology/Pre-Dentistry Concentration (BIPD) or Biology/Pre-Medicine Concentration (BIPM) was chosen. ACCT 201 or MGMT 310 is recommended if the Biology/Pre-Optometry Concentration (BIPO) was chosen.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--------------------------------|---------------------|-----------------|
| Varies | Electives (Consult Advisor) | 25 | Varies |

FERRIS STATE UNIVERSITY

CONCENTRATION – 39-65 Credits Required (Advisor Approval)

Choose One Concentration

Biology Concentration (BIBS)

A total of 20 credits are required in Biology (BIOL) courses within this concentration. The total number of Biology electives varies based on the Biology (BIOL) courses taken within this concentration. This concentration also requires MATH 120 or higher, a minimum of 7 credits in Chemistry (CHEM) courses, including Biochemistry; and a minimum of 4 credits in Physics (PHYS) courses.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---|---|---------------------|---|
| (Choose 1 of 3) BIOL 251 and BIOL 252 | Human Anatomy and Human Physiology | 6 | BIO 201 and BIO 203 |
| (Choose 1 of 3) BIOL 321 and BIOL 322 | Human Physiology and Anatomy 1 and Human Physiology and Anatomy 2 | 8 | No Equivalent |
| (Choose 1 of 3) BIOL 453 | Plant Physiology | 4 | No Equivalent |
| BIOL 218 or BIOL 286 or BIOL 389 | Microbial Ecology or General Microbiology or Immunology | 3 | No Equivalent or BIO 227 or No Equivalent |
| CHEM 214 or CHEM 321 and CHEM 322 | Fundamentals of Organic Chemistry or Organic Chemistry 1 and Organic Chemistry 2 | 4 or 10 | No Equivalent or CEM 221 and CEM 222 |
| CHEM 324 or CHEM 364 | Fundamentals of Biochemistry or Biochemistry | 3 or 4 | No Equivalent |
| MATH 120 | Trigonometry | 3 | MTH 122 |
| (Choose 1 of 3) PHYS 130 | Concepts in Physics | 4 | No Equivalent |
| (Choose 1 of 3) PHYS 211 and PHYS 212 | Introductory Physics 1 and Introductory Physics 2 | 8 | PHY 121 and PHY 122 |
| (Choose 1 of 3) PHYS 241 and PHYS 242 | General Physics 1 and General Physics 2 | 10 | PHY 221 and PHY 222 |
| Varies | Biology Application Area Electives | 5 | Varies |
| Varies | Biology Electives - BIOL 300 Level or Higher | 9-13 | Varies |

FERRIS STATE UNIVERSITY
Biology/Environmental Concentration (BIEB)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---|---|----------------------------|--|
| BIOL 218 | Microbial Ecology | 3 | No Equivalent |
| BIOL 330 | Zoology | 4 | No Equivalent |
| BIOL 343 or BIOL 344 or BIOL 348 | Ornithology or Entomology or Animal Behavior | 3 | No Equivalent |
| BIOL 350 | Plants and Fungi | 4 | No Equivalent |
| BIOL 453 | Plant Physiology | 4 | No Equivalent |
| BIOL 492 | Biology Internship | 1-6 | No Equivalent |
| CHEM 214 or CHEM 321 and CHEM 322 | Fundamentals of Organic Chemistry or Organic Chemistry 1 and Organic Chemistry 2 | 4 or 10 | No Equivalent or CEM 221 and CEM 222 |
| CHEM 324 or CHEM 364 | Fundamentals of Biochemistry or Biochemistry | 3 or 4 | No Equivalent |
| GEOL 121 or GEOL 131 | Physical Geology or Geology and Land Use Management | 4 or 3 | No Equivalent |
| GISC 225 or GEOG 311 | Principles of Geographic Information Systems or Social Implications of Geographic Information Systems | 3 | No Equivalent |
| MATH 130 | Advanced Algebra and Analytical Trigonometry | 4 | MTH 123 |
| MATH 251 | Statistics for the Life Sciences | 3 | MTH 223 |
| (Choose 1 of 2) PHYS 130 | Concepts in Physics | 4 | No Equivalent |
| (Choose 1 of 2) PHYS 211 and PHYS 212 | Introductory Physics 1 and Introductory Physics 2 | 8 | PHY 121 and PHY 122 |
| Varies | Environmental Elective; BIOL 340 or 345 Recommended | 3 | Varies |

Biology/Forensic Concentration (BIFB)

A total of 21 credits are required in Biology (BIOL) courses within this concentration. The total number of Biology electives varies based on the Biology (BIOL) courses taken within this concentration.

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------------------------------|---|---------------------|-----------------|
| (Choose 1 of 2) BIOL 251 and BIOL 252 | Human Anatomy and Human Physiology | 6 | No Equivalent |
| (Choose 1 of 2) BIOL 321 and BIOL 322 | Human Physiology and Anatomy 1 and Human Physiology and Anatomy 2 | 8 | No Equivalent |
| BIOL 207 | Forensic Biology | 4 | No Equivalent |
| BIOL 286 | General Microbiology | 3 | No Equivalent |
| BIOL 407 | Forensic DNA Analysis | 3 | No Equivalent |
| CHEM 207 | Science and Crime | 3 | No Equivalent |
| CHEM 231 or CHEM 307 or CHEM 332 | Quantitative Analysis or Forensic Chemistry or Biochemistry Lab 1 | 4 or 3 or 2 | No Equivalent |
| CHEM 321 | Organic Chemistry 1 | 5 | CEM 221 |
| CHEM 322 | Organic Chemistry 2 | 5 | CEM 222 |
| CHEM 324 or CHEM 364 | Fundamentals of Biochemistry or Biochemistry | 3 or 4 | No Equivalent |
| CRIM 110 | Introduction to Criminal Justice | 3 | CRJ 121 |
| CRIM 301 | Criminal Justice Investigation Issues | 3 | No Equivalent |
| MATH 220 | Analytical Geometry and Calculus 1 | 4 | MTH 131 |

Biology/Pre-Physician Assistant Studies Concentration (BIPA)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-----------------------------------|--|---------------------|--------------------------------------|
| BIOL 286 | General Microbiology | 3 | No Equivalent |
| BIOL 300 or BIOL 310 | Pathophysiology or Nutrition | 3 | BIO 228 or No Equivalent |
| BIOL 321 | Human Physiology and Anatomy 1 | 4 | No Equivalent |
| BIOL 322 | Human Physiology and Anatomy 2 | 4 | No Equivalent |
| CHEM 214 or CHEM 321 and CHEM 322 | Fundamentals of Organic Chemistry or Organic Chemistry 1 and Organic Chemistry 2 | 4 or 10 | No Equivalent or CEM 221 and CEM 222 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---|---|---------------------|------------------------|
| CHEM 324 or CHEM 364 | Fundamentals of Biochemistry or Biochemistry | 3 or 4 | No Equivalent |
| MATH 130 | Advanced Algebra and Analytical Trigonometry | 4 | MTH 123 |
| MATH 251 | Statistics for the Life Sciences | 3 | MTH 223 |
| (Choose 1 of 2) PHYS 211 and PHYS 212 | Introductory Physics 1 and Introductory Physics 2 | 8 | PHY 121 and PHY 122 |
| (Choose 1 of 2) PHYS 241 and PHYS 242 | General Physics 1 and General Physics 2 | 10 | PHY 221 and PHY 222 |
| Varies | Biology Application Area Elective | 2 | Varies |
| Varies | Biology Electives - BIOL 300 Level or Higher | 6 | Varies |

Biology/Pre-Dentistry Concentration (BIPD)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--|--|---------------------|------------------------|
| BIOL 286 | General Microbiology | 3 | No Equivalent |
| BIOL 321 | Human Physiology and Anatomy 1 | 4 | No Equivalent |
| BIOL 322 | Human Physiology and Anatomy 2 | 4 | No Equivalent |
| CHEM 321 | Organic Chemistry 1 | 5 | CEM 221 |
| CHEM 322 | Organic Chemistry 2 | 5 | CEM 222 |
| CHEM 324 or CHEM 364 | Fundamentals of Biochemistry or Biochemistry | 3 or 4 | No Equivalent |
| MATH 120 | Trigonometry | 3 | MTH 122 |
| (Choose 1 of 2) PHYS 211 and PHYS 212 | Introductory Physics 1 and Introductory Physics 2 | 8 | PHY 121 and PHY 122 |
| (Choose 1 of 2) PHYS 241 and PHYS 242 | General Physics 1 and General Physics 2 | 10 | PHY 221 and PHY 222 |
| Varies | Biology Application Area Electives; RMLS 122 Recommended | 5 | Varies |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| Varies | Biology Electives - BIOL 300 Level or Higher; BIOL 370 Recommended | 9 | Varies |

Biology/Pre-Medicine Concentration (BIPM)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--|--|---------------------|-------------------------------------|
| BIOL 286 | General Microbiology | 3 | No Equivalent |
| BIOL 321 | Human Physiology and Anatomy 1 | 4 | No Equivalent |
| BIOL 322 | Human Physiology and Anatomy 2 | 4 | No Equivalent |
| BIOL 370 | Developmental Biology | 4 | No Equivalent |
| BIOL 389 | Immunology | 3 | No Equivalent |
| CHEM 321 | Organic Chemistry 1 | 5 | CEM 221 |
| CHEM 322 | Organic Chemistry 2 | 5 | CEM 222 |
| MATH 130 or MATH 220 or MATH 230 | Advanced Algebra and Analytical Trigonometry or Analytical Geometry and Calculus 1 or Analytical Geometry and Calculus 2 | 4 | MTH 123 or MTH 131 or MTH 132 |
| (Choose 1 of 2) PHYS 211 and PHYS 212 | Introductory Physics 1 and Introductory Physics 2 | 8 | PHY 121 and PHY 122 |
| (Choose 1 of 2) PHYS 241 and PHYS 242 | General Physics 1 and General Physics 2 | 10 | PHY 221 and PHY 222 |
| Varies | Biology Application Area Electives | 5 | Varies |
| Varies | Biology Elective - BIOL 300 Level or Higher | 3 | Varies |

Biology/Pre-Optometry Concentration (BIP0)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-----------------------|---------------------|-----------------|
| BIOL 251 | Human Anatomy | 3 | No Equivalent |
| BIOL 252 | Human Physiology | 3 | No Equivalent |
| BIOL 286 | General Microbiology | 3 | No Equivalent |
| BIOL 370 | Developmental Biology | 4 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|-----------------|
| BIOL 373 | Cell Biology | 3 | No Equivalent |
| CHEM 321 | Organic Chemistry 1 | 5 | CEM 221 |
| CHEM 322 | Organic Chemistry 2 | 5 | CEM 222 |
| CHEM 324 or CHEM 364 | Fundamentals of Biochemistry or Biochemistry | 3 or 4 | No Equivalent |
| MATH 220 | Analytical Geometry and Calculus 1 | 4 | MTH 131 |
| MATH 251 | Statistics for the Life Sciences | 3 | MTH 223 |
| PHYS 211 | Introductory Physics 1 | 4 | PHY 121 |
| PHYS 212 | Introductory Physics 2 | 4 | PHY 122 |
| Varies | Biology Application Area Electives | 2 | Varies |
| Varies | Biology Electives - BIOL 300 Level or Higher | 5 | Varies |

Biology/Pre-Pharmacy Concentration (BIPP)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|-----------------|
| BIOL 286 | General Microbiology | 3 | No Equivalent |
| BIOL 321 | Human Physiology and Anatomy 1 | 4 | No Equivalent |
| BOIL 322 | Human Physiology and Anatomy 2 | 4 | No Equivalent |
| CHEM 321 | Organic Chemistry 1 | 5 | CEM 221 |
| CHEM 322 | Organic Chemistry 2 | 5 | CEM 222 |
| CHEM 324 or CHEM 364 | Fundamentals of Biochemistry or Biochemistry | 3 or 4 | No Equivalent |
| MATH 220 | Analytical Geometry and Calculus 1 | 4 | MTH 131 |
| MATH 251 | Statistics for the Life Sciences | 3 | MTH 223 |
| PHYS 211 | Introductory Physics 1 | 4 | PHY 121 |
| PHYS 212 | Introductory Physics 2 | 4 | PHY 122 |
| Varies | Biology Application Area Elective | 2 | Varies |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| Varies | Biology Electives - BIOL 300 Level or Higher; BIOL 373 or 474 Recommended | 9 | Varies |

Biology/Pre-Physical Therapy Concentration (BIPT)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| BIOL 286 | General Microbiology | 3 | No Equivalent |
| BIOL 300 | Pathophysiology | 3 | BIO 228 |
| BIOL 301 | Exercise Physiology | 4 | No Equivalent |
| BIOL 321 | Human Physiology and Anatomy 1 | 4 | No Equivalent |
| BIOL 322 | Human Physiology and Anatomy 2 | 4 | No Equivalent |
| CHEM 214 | Fundamentals of Organic Chemistry | 4 | No Equivalent |
| CHEM 324 | Fundamentals of Biochemistry | 3 | No Equivalent |
| COHP 100 | Orientation to Medical Vocabulary | 1 | No Equivalent |
| MATH 130 | Advanced Algebra and Analytical Trigonometry | 4 | MTH 123 |
| MATH 251 | Statistics for the Life Sciences | 3 | MTH 223 |
| PHYS 211 | Introductory Physics 1 | 4 | PHY 121 |
| PHYS 212 | Introductory Physics 2 | 4 | PHY 122 |
| RMLS 122 | Responding to Emergencies | 2 | No Equivalent |
| Varies | Biology Elective - BIOL 300 Level or Higher | 3 | Varies |

Biology/Pre-Veterinary Medicine Concentration (BIPV)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--------------------------------|---------------------|-----------------|
| BIOL 286 | General Microbiology | 3 | No Equivalent |
| BIOL 310 | Nutrition | 3 | No Equivalent |
| BIOL 321 | Human Physiology and Anatomy 1 | 4 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| BIOL 322 | Human Physiology and Anatomy 2 | 4 | No Equivalent |
| BIOL 373 | Cell Biology | 3 | No Equivalent |
| BIOL 389 | Immunology | 3 | No Equivalent |
| CHEM 321 | Organic Chemistry 1 | 5 | CEM 221 |
| CHEM 322 | Organic Chemistry 2 | 5 | CEM 222 |
| CHEM 364 | Biochemistry | 4 | No Equivalent |
| MATH 130 | Advanced Algebra and Analytical Trigonometry | 4 | MTH 123 |
| PHYS 211 | Introductory Physics 1 | 4 | PHY 121 |
| PHYS 212 | Introductory Physics 2 | 4 | PHY 122 |
| Varies | Biology Application Area Electives | 5 | Varies |
| Varies | Biology Elective - BIOL 300 Level or Higher | 3 | Varies |

PROGRAM CONTACT INFORMATION

College of Arts, Sciences, & Education
Biology Department
(231) 591-2550
Biology@Ferris.edu

Ferris Statewide - Alpena
(231) 995-1734
FerrisNorth@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

- 2.00 Overall GPA (on a 4.00 scale)
- At least 12 credits

MORE INFORMATION

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at a statewide location).

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FERRIS STATE UNIVERSITY

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Ferris State University Admissions Office
1201 S. State St., CSS 201
Big Rapids, MI 49307
- Submit test scores (if required)
 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
 - SAT, CLEP and AP Scores; go to the [College Board website](#) - Ferris State University School Code: 1222

Advising Notes

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Reverse Transfer Agreement

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Michigan Transfer Agreement (MTA)

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Transfer Equivalencies Tools

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FERRIS STATE UNIVERSITY

Disclaimer

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BUSINESS ADMINISTRATION TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Business Administration

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

Students are encouraged to work with an advisor to select appropriate general education courses. Diversity Competency - 2 Courses Required. If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following: 1 course with the Global Diversity attribute and 1 course with the U.S. Diversity attribute. Ferris State University General Education www.ferris.edu/gened.

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 | SPE 121 or SPE 123 or No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 325 | Advanced Business Writing | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

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

FERRIS STATE UNIVERSITY

| 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 MTH 113 |

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 | ECN 231 |
| ECON 202 | Principles of Macroeconomics | 3 | ECN 232 |
| 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 | BUS 123 |
| ACCT 202 | Principles of Managerial Accounting | 3 | BUS 124 |
| STQM 260 | Introduction to Statistics | 3 | MTH 223 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-----------------------------------|---------------------|-----------------|
| MGMT 301 | Applied Management | 3 | BUS 127 |
| BLAW 321 | Contracts and Sales | 3 | BUS 222 |
| MKTG 321 | Principles of Marketing | 3 | BUS 241 |
| 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 | BUS 255 or CIS 120 or MTH 119 |
| RMIN 200 or PROJ 320 or Accounting (ACCT) Elective or Finance (FINC) Elective or Statistics (STQM) Elective | Foundations Risk Management and Insurance or Project Management Fundamentals or Accounting (ACCT) Elective or Finance (FINC) Elective or Statistics (STQM) Elective | 3 | No Equivalent or BUS 262 or Varies |
| MGMT 302 | Team Dynamics and Organizational Behavior | 3 | No Equivalent |
| MGMT 305 | Agile Leadership | 3 | BUS 233 |
| INTB 310 or INTB 335 | International Business Systems or Cross-Cultural Business | 3 | No Equivalent |
| MGMT 350 | Management Metrics and Decision Making | 3 | No Equivalent |
| MGMT 373 | Human Resource Management | 3 | BUS 235 |
| MGMT 447 | Business Ethics and Social Responsibility | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|---|---------------------|-----------------|
| MGMT 488 or MGMT 489 | Advanced Management Cases and Problems or Case Development and Research | 3 | No Equivalent |
| MGMT 491 | Management Internship | 3 | No Equivalent |
| Varies | Directed Elective (Advisor Approval) | 3 | Varies |

Minor, Certificates, or Concentration

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

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

PROGRAM CONTACT INFORMATION

College of Business
Management Department
(231) 591-2427
MGMT@Ferris.edu

Ferris Statewide - Alpena
(231) 995-1734
FerrisNorth@Ferris.edu

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

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.5 High School GPA (on a 4.0 scale)
- SAT Scores Two of the Three Criteria:
 - a. ERW SAT score of 450 or higher.
 - b. Math SAT score of 500 or higher. Placement in MATH 109 or 110 will be considered (Math SAT score of 480 or higher).
 - c. Composite SAT of 900 or higher.
- ACT Scores Two of the Three Criteria:
 - a. English ACT score of 16 or higher.
 - b. Math ACT score of 19 or higher.
 - c. Reading ACT score of 19 or higher.

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).

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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
 - 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

Reverse Transfer Agreement

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Michigan Transfer Agreement (MTA)

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

Transfer Equivalencies Tools

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

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BUSINESS ADMINISTRATION WITH PROFESSIONAL TRACK TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Business Administration with Professional Track

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

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

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

FERRIS STATE UNIVERSITY

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 | SPE 121 or SPE 123 or No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 211 or ENGL 250 | Industrial and Career Writing or English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 325 | Advanced Business Writing | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|--------------------------|
| MATH 114 or MATH 115 | Quantitative Reasoning for Professionals 2 or Intermediate Algebra | 4 or 3 | No Equivalent or MTH 113 |

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 |

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.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------|---------------------|-----------------|
| ECON 201 | Principles of Microeconomics | 3 | ECN 231 |
| ECON 202 | Principles of Macroeconomics | 3 | ECN 232 |
| 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 | BUS 123 |
| ACCT 202 | Principles of Managerial Accounting | 3 | BUS 124 |
| STQM 260 | Introduction to Statistics | 3 | MTH 223 |
| MGMT 301 | Applied Management | 3 | BUS 127 |
| BLAW 321 | Contracts and Sales | 3 | BUS 222 |
| MKTG 321 | Principles of Marketing | 3 | BUS 241 |
| 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 | BUS 255 or CIS 120 or MTH 119 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|---|---------------------|-----------------|
| MGMT 302 | Team Dynamics and Organizational Behavior | 3 | No Equivalent |
| MGMT 305 | Agile Leadership | 3 | BUS 233 |
| INTB 310 or INTB 335 | International Business Systems or Cross-Cultural Business | 3 | No Equivalent |
| MGMT 350 | Management Metrics and Decision Making | 3 | No Equivalent |
| MGMT 373 | Human Resource Management | 3 | BUS 235 |
| MGMT 447 | Business Ethics and Social Responsibility | 3 | No Equivalent |
| MGMT 488 or MGMT 489 | Advanced Management Cases and Problems or Case Development and Research | 3 | No Equivalent |
| MGMT 491 | Management Internship | 3 | No Equivalent |

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 Speciality Courses | 24 | Varies |

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Management Department
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FERRIS STATE UNIVERSITY

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FERRIS STATE UNIVERSITY

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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.

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

Transfer Equivalencies Tools

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

Disclaimer

Transfer guides are not intended to be a contract with Ferris. The information in this guide is subject to change and is aligned with the catalog year listed above. Students should contact their community college and/or Ferris to keep informed of changes. Students' final responsibility for verifying all transfer information lies with the student. Please refer to the [Ferris catalog](#) for the most current curriculum.

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

COMPUTER INFORMATION SYSTEMS TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Computer Information Systems

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Alpena Community College (ACC)

Consortium Eligible: No

Total Credits Required: 123-124

Catalog Year: 2022-2023

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 121 | Fundamentals of Public Speaking | 3 | SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 311 or ENGL 325 | Advanced Technical 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

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|--------------------------|
| MATH 114 or MATH 115 | Quantitative Reasoning for Professionals 2 or Intermediate Algebra | 4 or 3 | No Equivalent or MTH 113 |

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 STATE UNIVERSITY

| 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 | ECN 231 |
| ECON 202 | Principles of Macroeconomics | 3 | ECN 232 |
| Varies | Self and Society Elective | 3 | Varies |

COLLEGE REQUIREMENTS – 84 Credits Required

CIS/CIT credits that are not part of a completed degree, either transfer or Ferris, that are older than 10 years will not be counted towards the degree requirements for CIS/CIT program. Exceptions to this rule may be considered by petitioning the program coordinator.

Business Core Requirements

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-------------------------------------|---------------------|-----------------|
| ACCT 201 | Principles of Financial Accounting | 3 | BUS 123 |
| ACCT 202 | Principles of Managerial Accounting | 3 | BUS 124 |
| STQM 260 | Introduction to Statistics | 3 | MTH 223 |
| MGMT 301 | Applied Management | 3 | BUS 127 |
| BLAW 321 | Contracts and Sales | 3 | BUS 222 |
| MKTG 321 | Principles of Marketing | 3 | BUS 241 |
| MGMT 370 | Quality and Operations Management | 3 | No Equivalent |
| FINC 322 | Financial Management 1 | 3 | No Equivalent |
| ISYS 321 | Business Information Systems | 3 | No Equivalent |
| BUSN 499 | Integrating Experience | 3 | No Equivalent |

Major Courses

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

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|---|
| ISYS 110 | Fundamentals of Programming Design and Logic | 3 | CIS 206 |
| ISYS 188 | Web Design and Development | 3 | No Equivalent |
| ISYS 216 | Introduction to Programming | 3 | No Equivalent |
| ISYS 221 | Mobile Application Development | 3 | No Equivalent |
| ISYS 272 | Fundamentals of Database Systems | 3 | CIS 258 |
| ISYS 288 | Web Application Development | 3 | No Equivalent |
| ISYS 316 | Advanced Programming | 3 | No Equivalent |
| PROJ 320 | Project Management Fundamentals | 3 | BUS 262 |
| ISYS 327 | Operating Systems and Network Essentials | 3 | No Equivalent |
| ISYS 330 | Systems Analysis and Design 1 | 3 | No Equivalent |
| ISYS 372 | Advanced Database Systems Administration | 3 | No Equivalent |
| ISYS 431 | Systems Analysis and Design 2 | 3 | No Equivalent |
| ISYS 482 | Enterprise Integration and Business Process Design | 3 | No Equivalent |
| ISYS 489 | Senior Capstone | 3 | No Equivalent |
| * ISYS 491 | Computer Information Systems Internship | 3 | No Equivalent |
| Varies | Directed Elective (Advisor Approval) | 9 | Approved CC Directive Electives: CIS 140, CIS 241, CIS 270, CIS 280, CNS 150, CNS 151, CNS 155, CNS 170, CNS 180, CNS 215, CNS 220, CNS 230, CNS 235 and CNS 240. (Note: these are the only pre-approved Directive Electives, see your FSU advisor to |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------|---------------------|--------------------------------|
| | | | determine additional options.) |

*CIS Internship not required with 1+ year work experience in field. Credits will be substituted with directive electives (See FSU Advisor).

PROGRAM CONTACT INFORMATION

College of Business

Accountancy, Finance, & Info Systems Department

(231) 591-2434

AFIS@Ferris.edu

Ferris Statewide - Alpena

(231) 995-1734

FerrisNorth@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- 2.50 High School GPA (on a 4.00 scale)
- SAT Scores Two of the Three Criteria:
 - 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 2.50 (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
 - Or mail to:
Ferris State University Admissions Office
1201 S. State St., CSS 201
Big Rapids, MI 49307
- Submit test scores (if required)
 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
 - SAT, CLEP and AP Scores; go to the [College Board website](#) - Ferris State University School Code: 1222

Advising Notes

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

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

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

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

*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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

Michigan Transfer Agreement (MTA)

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

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

Transfer Equivalencies Tools

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

Disclaimer

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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.

COMPUTER INFORMATION TECHNOLOGY TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Computer Information Technology

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

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

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

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-------------------------|---|---------------------|-----------------------|
| COMM 121 | Fundamentals of Public Speaking | 3 | SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 311 or ENGL 325 | Advanced Technical Writing or Advanced Business Writing | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

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

FERRIS STATE UNIVERSITY

| 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 MTH 113 |

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 | ECN 231 |
| ECON 202 | Principles of Macroeconomics | 3 | ECN 232 |
| Varies | Self and Society Elective | 3 | Varies |

COLLEGE REQUIREMENTS – 81 Credits Required

CIS/CIT credits that are not part of a completed degree, either transfer or Ferris, that are older than 10 years will not be counted toward the degree requirements for CIS/CIT program. Exceptions to this rule may be considered by petitioning the program coordinator.

Business Core Requirements

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------------|---------------------|-----------------|
| ACCT 201 | Principles of Financial Accounting | 3 | BUS 123 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-------------------------------------|---------------------|-----------------|
| ACCT 202 | Principles of Managerial Accounting | 3 | BUS 124 |
| STQM 260 | Introduction to Statistics | 3 | MTH 223 |
| MGMT 301 | Applied Management | 3 | BUS 127 |
| BLAW 321 | Contracts and Sales | 3 | BUS 222 |
| MKTG 321 | Principles of Marketing | 3 | BUS 241 |
| MGMT 370 | Quality and Operations Management | 3 | No Equivalent |
| FINC 322 | Financial Management 1 | 3 | No Equivalent |
| ISYS 321 | Business Information Systems | 3 | No Equivalent |
| BUSN 499 | Integrating Experience | 3 | No Equivalent |

Major Courses

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------------|
| ISYS 110 | Fundamentals of Programming Design and Logic | 3 | CIS 206 |
| CITS 150 | A+ Certification 1 | 3 | CNS 170 |
| CITS 160 | A+ Certification 2 | 3 | No Equivalent |
| CITS 250 | Windows Client Administration | 3 | CIS 140 |
| CITS 255 | Windows Server 1 | 3 | CNS 180 |
| CITS 260 | Windows Server 2 | 3 | No Equivalent |
| CITS 270 | Network+ | 3 | CIS 280 or CNS 150 |
| CITS 280 | Linux+ Administration | 3 | CNS 240 |
| CITS 320 | Security+ Administration | 3 | CNS 230 |
| PROJ 320 | Project Management Fundamentals | 3 | BUS 262 |
| CITS 360 | Windows Server 3 | 3 | No Equivalent |
| CITS 370 | Virtual System Administration | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| CITS 480 | Senior Project and Capstone | 3 | No Equivalent |
| * CITS 491 | Computer Information Technology Internship | 3 | No Equivalent |
| Varies | Directed Elective (Advisor Approval) | 9 | Varies |

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

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

FERRIS STATE UNIVERSITY

MORE INFORMATION

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

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

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

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*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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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

FERRIS STATE UNIVERSITY

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

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Disclaimer

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ASSET

CONSTRUCTION MANAGEMENT TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Construction Management
Degree Type: Bachelor of Science
Ferris College: College of Engineering Technology
Transfer School: Alpena Community College (ACC)
Consortium Eligible: No
Total Credits Required: 123-124
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 General Education Requirements Webpage](#).

Students are encouraged to work with an advisor to select appropriate general education courses.

Diversity Competency - 2 Courses Required. If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following: 1 course with the Global Diversity attribute and 1 course with the U.S. Diversity attribute.

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-------------------------|--|---------------------|-----------------------|
| COMM 121 | Fundamentals of Public Speaking | 3 | SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 |
| ENGL 211 or ENGL 250 | Industrial and Career Writing or English 2 | 3 | ENG 123 or ENG 112 |
| ENGL 311 or ENGL 325 | Advanced Technical Writing or | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------------|---------------------|-----------------|
| | Advanced Business Writing | | |

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 120 | Trigonometry | 3 | MTH 122 |

Or :

Official Pre-2016 Math SAT Score of 590 or Higher

Official Post-2016 Math SAT Score of 620 or Higher

Official Math ACT Score of 26 or Higher

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 |
|--|---|---------------------|---|
| Choose 1 of 5: GEOG 111 or CHEM 114 or CHEM 121 or GEOL 121 or PHYS 212 | Geography of Physical Environment or Intro to General Chemistry or General Chemistry 1 or Physical Geology or Intro Physics 2 | 4 - 5 | GEO 127 or CEM 111 or CEM 121 or PHY 124 or PHY 122 |
| PHYS 211 | Intro Physics 1 | 4 | PHY 121 |

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 |
|---------------|--|---------------------|-----------------|
| 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 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 |
|-------------------------|---|---------------------|-----------------------|
| ECON 201 or ECON 202 | Principles of Microeconomics or Principles of Macroeconomics | 3 | ECN 231 or ECN 232 |
| Varies | Self and Society Electives | 6 | Varies |

COLLEGE REQUIREMENTS – 82 Credits Required

Major Courses

24 Credits Required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| CONM 311 | Formwork and Temporary Structures | 3 | No Equivalent |
| CONM 312 | Construction Scheduling | 3 | No Equivalent |
| CONM 321 | Construction Estimating 2 | 3 | No Equivalent |
| CONM 324 | Advanced Construction Computer Techniques and Technology | 3 | No Equivalent |
| CONM 412 | Construction Contracts | 3 | No Equivalent |
| CONM 413 | Construction Economics | 3 | No Equivalent |
| CONM 424 | Construction Safety and Risk Management | 3 | No Equivalent |
| CONM 499 | Construction Project Management | 3 | No Equivalent |

Directed Electives

4 Credits Required. (Advisor Approval)

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-----------------------------|---|---------------------|-----------------|
| (Choose 2 of 4) CONM 460 | Current Topics in Construction Management | 2 | No Equivalent |
| (Choose 2 of 4) CONM 461 | Sustainability in Construction | 2 | No Equivalent |
| (Choose 2 of 4) CONM 462 | Power and Process Plant Construction | 2 | No Equivalent |
| (Choose 2 of 4) CONM 463 | Infrastructure Construction | 2 | No Equivalent |

FERRIS STATE UNIVERSITY

Technical Related Courses

12 Credits Required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--------------------------|--|---------------------|--------------------|
| MATH 132 or STQM 260 | Survey of Calculus or Introduction to Statistics | 3 | MTH 130 or MTH 223 |
| ACCT 221 | Principles of Construction Accounting | 3 | No Equivalent |
| BLAW 301 | Legal Environment of Business | 3 | No Equivalent |
| (Choose 1 of 4) MGMT 302 | Team Dynamics and Organizational Behavior | 3 | No Equivalent |
| (Choose 1 of 4) MGMT 305 | Agile Leadership | 3 | BUS 233 |
| (Choose 1 of 4) MGMT 310 | Small Business Management | 3 | BUS 128 |
| (Choose 1 of 4) MGMT 373 | Human Resource Management | 3 | BUS 235 |

Associate Degree Coursework

42 Credits Required. A total of 42 credits is required in associate degree coursework. Associate Core Courses, including: CONM 112, CONM 117, CONM 122, CONM 211, CONM 212, CONM 221, CONM 222, CONM 225, BCTM 234, BCTM 235, are required; totaling 15 credits. In addition, 27 credits of Architectural Technology (ARCH), Building Construction Technology Management (BCTM), Civil Engineering Technology Management (CETM), and Construction Management (CONM) courses are required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| Varies | Associate Degree Coursework (Advisor Approval) | 27 | Varies |
| CONM 112 | Plans and Specifications | 3 | CST 214 |
| CONM 117 | Construction Building INF TEC | 3 | No Equivalent |
| CONM 122 | Construction Surveying - Layout | 3 | No Equivalent |
| CONM 211 | Construction Estimating 1 | 3 | No Equivalent |
| CONM 212 | Soils and Foundations | 3 | No Equivalent |
| CONM 221 | Statics and Structures | 3 | No Equivalent |
| CONM 222 | Construction Administration | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-------------------------------|---------------------|-----------------|
| CONM 225 | Field Engineering | 3 | No Equivalent |
| BCTM 234 | Electrical Construction Pract | 3 | No Equivalent |
| BCTM 235 | Mechanical Construction Pract | 3 | No Equivalent |

PROGRAM CONTACT INFORMATION

College of Engineering Technology

Construction Technology & Management Programs

(231) 591-3773

ConsProg@Ferris.edu

Ferris Statewide - Alpena

(231) 995-1734

FerrisNorth@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

- The Construction 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 Building Construction Technology, AAS, Civil Engineering Technology - Highway Emphasis, AAS or Architectural Technology, AAS program.

Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Successful completion of the following courses:
 - MATH 120 with a C- grade or higher, transfer equivalent with C grade or higher, or a higher mathematics course.
 - PHYS 211 with a passing grade or transfer equivalent with C grade or higher
 - ENGL 150 with a C grade or higher or transfer equivalent with a C grade or higher
 - ENGL 211 or 250 with a C grade or higher or transfer equivalent with a C grade or higher
- Completion of Associate in Applied Science (AAS) in Building Construction Technology (BCTM) or Civil Engineering Technology - Highway Focus (CETH) from Ferris State University; or Associated in Applied Science (AAS) in Architectural Technology from Grand Rapids Community College; or a related Associate in Applied Science (AAS) degree from another accredited university with specific 100 and/or 200 level program courses coordinated with the program prior to entry into the 300 and 400 level Construction Management (CONM) courses and a 2.50 GPA (on a 4.00 scale) in associate degree.

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
 - 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 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.

FERRIS STATE UNIVERSITY

Disclaimer

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

Ferris Program: Criminal Justice - Generalist

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Articulation Agreement: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

The effective dates for this articulation agreement are February 15, 2020 - February 15, 2023.

GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

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

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

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--|---|---------------------|--------------------|
| COMM 105 or COMM 121 | Interpersonal Communication or Fundamentals of Public Speaking | 3 | SPE 121 or SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| 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:

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 | Quantitative Reasoning for Professionals 2 or Intermediate Algebra | 4 or 3 | No Equivalent or MTH 113 |

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 (Students may not take BIOL 207, BIOL 307, or CHEM 307) | 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 | 3 | Varies |
| HIST 121 and HIST 122 | United States History to 1877 and United States History 1877 to Present | 6 | HST 221 and HST 222 |

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 | PSY 101 |
| SOCY 121 | Introductory Sociology | 3 | SOC 123 |
| SOCY 225 | Marriage and the Family | 3 | SOC 227 |

COLLEGE REQUIREMENTS – 81 Credits Required

Major Courses

35 Credits Required.

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-------------------------|---|---------------------|-----------------|
| CRIM 305 | Ethical Issues in Criminal Justice | 3 | No Equivalent |
| CRIM 310 | Corrections and Society | 3 | No Equivalent |
| CRIM 311 | Police and Society | 3 | No Equivalent |
| CRIM 321 or CRIM 322 | Police Report Writing or Report Writing for Corrections | 3 | No Equivalent |
| CRIM 340 | Criminal Behavior | 3 | No Equivalent |
| CRIM 385 | Current Issues in Criminal Justice | 3 | No Equivalent |
| CRIM 391 | Criminal Justice Internship | 4 | No Equivalent |
| CRIM 411 | Crime Control Policy | 3 | No Equivalent |
| CRIM 425 | Michigan Criminal Law | 4 | No Equivalent |
| 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 |
|--|---|---------------------|---|
| BUSN 122 or ACCT 201 or BLAW 221 | Introduction to Business or Principles of Financial Accounting or Elementary Business Law | 3 | BUS 121 or BUS 123 or BUS 221 |
| CRIM 110 | Introduction to Criminal Justice | 3 | CRJ 121 |
| CRIM 111 or CRIM 112 or CRIM 113 | Introduction to Corrections or Introduction to United States Legal System or Introduction to Law Enforcement | 3 | CRJ 131 or No Equivalent or No Equivalent |
| CRIM 220 | Supervision and Management in Criminal Justice | 3 | CRJ 223 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| CRIM 260 | Delinquency Prevention and Control | 3 | CRJ 220 |
| ISYS 105 | Introduction to Micro Systems and Software | 3 | CIS 120 |
| Varies | Elective Courses - 100 Level or Higher (Advisor Approval) | 5 | Varies |

Electives

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

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

PROGRAM CONTACT INFORMATION

College of Business

School of Criminal Justice

(231) 591-5080

SchoolofCriminalJustice@Ferris.edu

Ferris Statewide - Alpena

(231) 995-1734

FerrisNorth@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.

FERRIS STATE UNIVERSITY

Steps to Apply

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

Advising Notes

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

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

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

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

*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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

Michigan Transfer Agreement (MTA)

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

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

Transfer Equivalencies Tools

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

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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.

DIGITAL MEDIA SOFTWARE ENGINEERING TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Digital Media Software Engineering

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 125

Catalog Year: 2022-2023

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 | SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| 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 satisfied in College Requirements.

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 |
|---------------|---------------------------|---------------------|-----------------|
| PHYS 241 | General Physics 1 | 5 | PHY 221 |
| 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 |

Self and Society Competency

Three courses are required with a minimum of 9 credits: must be from two different disciplines and have at least one at FSU 200 level or higher course, and at least one Self and Society Foundation course. ECON 201 or ECON 202 are met in College Requirements.

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

COLLEGE REQUIREMENTS – 95 Credits Required.

Software Development Courses

21 Credits Required.

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

FERRIS STATE UNIVERSITY

Foundation Courses

21 Credits Required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-------------------------|--|---------------------|-----------------|
| SENG 160 | Software Engineering Methodologies and Processes | 3 | No Equivalent |
| SENG 170 | Software Requirements Management | 3 | No Equivalent |
| SENG 210 | Software Configuration Management | 3 | No Equivalent |
| SENG 250 or ISYS 327 | Fundamentals of Operating Systems and Networking or Operating Systems and Network Essentials | 3 | No Equivalent |
| 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 | No Equivalent or No Equivalent or CIS 258 |
| ECON 201 or ECON 202 | Principles of Microeconomics or Principles of Macroeconomics | 3 | ECN 231 or ECN 232 |
| STQM 260 | Introduction to Statistics | 3 | MTH 223 |

Mathematics Courses

14 Credits Required.

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-------------------------------------|---------------------|-----------------|
| MATH 220 | Analytical Geometry with Calculus 1 | 4 | MTH 131 |
| MATH 230 | Analytical Geometry with Calculus 2 | 4 | MTH 132 |
| MATH 322 | Linear Algebra | 3 | No Equivalent |
| MATH 328 | Discrete Structures | 3 | No Equivalent |

Business and Management Courses

9 Credits Required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-------------------------|--|---------------------|-----------------------------|
| PHIL 216 | Introduction to Ethics | 3 | PHL 228 or HST 227 |
| PROJ 320 or DAGD 315 | Project Management Fundamentals or Digital Media Productions | 3 | BUS 262 or No Equivalent |
| BLAW 321 | Contracts and Sales | 3 | BUS 222 |

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

12 Credits Required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|-----------------|
| DAGD 100 or DAGD 150 | 3D Modeling Animation 1 or Introduction to Game Design and Development | 3 | No Equivalent |
| DAGD 255 | Game Programming 1 | 3 | No Equivalent |

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| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------|---------------------|-----------------|
| DAGD 300 | Level Design | 3 | No Equivalent |
| DAGD 355 | Game Programming 2 | 3 | No Equivalent |

Machine Learning Engineering

12 Credits Required.

| 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 |

PROGRAM CONTACT INFORMATION

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

Ferris Statewide - Alpena
(231) 995-1734
FerrisNorth@Ferris.edu

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

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

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

MORE INFORMATION

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FERRIS STATE UNIVERSITY

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*Indicates an approved Ferris course substitution

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FERRIS STATE UNIVERSITY

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HEALTH INFORMATION MANAGEMENT TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Health Information Management

Degree Type: Bachelor of Science

Ferris College: College of Health Professions

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 124

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 39 Credits Required

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

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

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|--------------------------|
| COMM 105 or COMM 221 | Interpersonal Communication or Small Group Decision Making | 3 | SPE 121 or No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 321 | Advanced Composition | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|----------------------|---------------------|-----------------|
| MATH 115 | Intermediate Algebra | 3 | MTH 113 |

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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 |
|---------------|--|---------------------|-----------------|
| BIOL 109 | Basic Human Anatomy and Physiology | 4 | BIO 200 |
| Varies | Natural Sciences Electives (Consult Advisor) | 6 | Varies |

Culture Competency

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-------------------------------------|---------------------|-----------------|
| Varies | Culture Electives (Consult Advisor) | 9 | Varies |

Self and Society Competency

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

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

COLLEGE REQUIREMENTS – 85 Credits Required

College of Health Professions (COHP) Core Curriculum

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

Major Courses

58 Credits Required.

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| MRIS 101 | Introduction to Health Information Systems | 4 | No Equivalent |
| MRIS 103 | Medical Terminology | 3 | BIS 160 |
| MRIS 121 | Health Information Statistics | 2 | No Equivalent |
| MRIS 122 | Health Information Concepts | 4 | No Equivalent |
| MRIS 204 | ICD-10-CM Coding | 4 | No Equivalent |
| MRIS 205 | ICD-10-PCS Coding | 4 | No Equivalent |
| MRIS 209 | Quality Management in Health Care | 3 | No Equivalent |
| MRIS 210 | Fundamentals of Disease Processes | 4 | No Equivalent |
| MRIS 211 | CPT Coding | 3 | No Equivalent |
| MRIS 220 | Legal and Ethical Aspects in Health Information Management | 3 | No Equivalent |
| MRIS 221 | Foundations of Reimbursement | 3 | No Equivalent |
| MRIS 261 | Health Information Technology Review | 1 | No Equivalent |
| MRIS 293 | Professional Practice 1 | 6 | No Equivalent |
| MRIS 402 | Health Information Management Principles | 3 | No Equivalent |
| MRIS 461 | Health Information Management Review | 1 | No Equivalent |
| MRIS 493 | Professional Practice 2 | 10 | No Equivalent |

Professional Support Courses

17 Credits Required.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|---|
| ISYS 105 | Introduction to Microcomputer Systems and Software | 3 | CIS 120 or CIS 121 or MTH 119 or BUS 255 |
| COHP 300 | Health Informatics | 3 | No Equivalent |
| HCSA 310 | Health Care Finance 2 | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| HCSA 336 | Health Care Supervisory Practices | 3 | No Equivalent |
| MRIS 345 | Health Information Technology and Health Information Management Internship Orientation | 1 | No Equivalent |
| HSCA 474 | Health Care Strategic Application | 4 | No Equivalent |

PROGRAM CONTACT INFORMATION

College of Health Professions

Department of Health Administration and Health Information

(231) 591-2270

CHP@Ferris.edu

Ferris Statewide - Alpena

(231) 995-1734

FerrisNorth@Ferris.edu

Ferris Online

(231) 591-2340

Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Complete all course requirements necessary to complete the Associate of Applied Science (AAS) in Health Information Technology program at Ferris State University or related Associate of Applied Science (AAS) degree.
- Transfer equivalency for Ferris State University's ENGL 150 or placement during the first semester at Ferris State University which would require an English ACT score of 16 or higher; or ERW SAT score of 450 or higher; or English Accuplacer score of 6 or higher.
- Transfer equivalency for Ferris State University's MATH 115 or placement during the first semester at Ferris State University which would require a Math ACT score of 19 or higher; Math SAT of 500 or higher; or Math Accuplacer scores: Elementary Algebra score 75 or higher and College Level Math 0 to 49.

MORE INFORMATION

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at a statewide location).

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

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Steps to Apply

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

Advising Notes

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

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

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

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

*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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

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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.

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Disclaimer

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

INFORMATION SECURITY AND INTELLIGENCE TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Information Security and Intelligence

Degree Type: Bachelor of Science

Ferris College: College of Business

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 120-127

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

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

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

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------------------|---|---------------------|-------------------------------------|
| COMM 105 or COMM 121 or COMM 221 | Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making | 3 | SPE 121 or SPE 123 or No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| 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

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|--------------------------|
| MATH 114 or MATH 115 | Quantitative Reasoning for Professionals 2 or Intermediate Algebra | 4 or 3 | No Equivalent or MTH 113 |

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. 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 | ECN 231 or ECN 232 |
| Varies | Self and Society Electives | 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 | BUS 123 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|----------------------------|---------------------|-----------------|
| STQM 260 | Introduction to Statistics | 3 | MTH 223 |
| MGMT 301 | Applied Management | 3 | BUS 127 |
| MKTG 321 | Principles of Marketing | 3 | BUS 241 |

Major Courses

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| ISIN 121 | Digital Security Awareness | 3 | No Equivalent |
| ISIN 200 | Secure Digital Technologies | 3 | No Equivalent |
| ISIN 209 | Network Security | 3 | No Equivalent |
| STQM 270 | Introduction to Data Mining | 3 | No Equivalent |
| ISIN 300 | Link and Visual Analysis | 3 | No Equivalent |
| ISIN 301 | Data and Intelligence Competitive Theory | 3 | No Equivalent |
| ISIN 306 | Security Informatics | 3 | No Equivalent |
| ISIN 308 | Principles of Information Security | 3 | No Equivalent |
| DFOR 310 | Digital Forensics and Analysis | 3 | No Equivalent |
| ISIN 312 | Applications of Information Security | 3 | No Equivalent |
| ISIN 317 | Fraud Examination | 3 | No Equivalent |
| PROJ 320 | Project Management Fundamentals | 3 | BUS 262 |
| ISIN 325 | Database Security | 3 | No Equivalent |
| STQM 360 | Risk Analysis and Strategy | 3 | No Equivalent |
| ISIN 380 | Current Issues in Information Security and Intelligence | 3 | No Equivalent |
| ISIN 409 | Network Forensics and Analysis | 3 | No Equivalent |
| ISIN 429 | Legal and Ethical Issues in Information Security | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| ISIN 491 | Information Security and Intelligence Internship | 3 | No Equivalent |
| ISIN 499 | Capstone Experience | 3 | No Equivalent |

CONCENTRATION OR MINOR – 12-18 Credits Required (Advisor Approval)

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

Digital Forensics and Penetration Testing Concentration (DFPN)

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

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

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

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

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

Foreign Language Concentration (FRL)

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

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

FERRIS STATE UNIVERSITY

Custom Concentration (CUST)

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

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

Minor

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

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

PROGRAM CONTACT INFORMATION

College of Business

Accountancy, Finance, & Info Systems Department

(231) 591-2434

AFIS@Ferris.edu

Ferris Statewide - Alpena

(231) 995-1734

FerrisNorth@Ferris.edu

Ferris Online

(231) 591-2340

Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

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

FERRIS STATE 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).

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

Advising Notes

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

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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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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

FERRIS STATE UNIVERSITY

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

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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 ALPENA COMMUNITY COLLEGE

Ferris Program: Integrative Studies

Degree Type: Bachelor of Science

Ferris College: College of Arts, Sciences, and Education

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 39-40 Credits Required

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

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

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---|---|---------------------|---|
| COMM 105 or COMM 121 or COMM 221 | Interpersonal Communication or Fundamentals of Public Speaking or Small Group Decision Making | 3 | SPE 121 or SPE 123 or No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 311 or ENGL 321 or ENGL 323 or ENGL 325 | Advanced Technical Writing or Advanced Composition or Proposal Writing | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------|---------------------|-----------------|
| | 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

| 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 MTH 113 |

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 STATE UNIVERSITY

| 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 |

PROGRAM CONTACT INFORMATION

Dr. Roxanne Cullen
(231) 591-2713
RoxanneCullen@Ferris.edu

Ferris Statewide - Alpena
(231) 995-1734
FerrisNorth@Ferris.edu

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

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

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

MORE INFORMATION

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at a statewide location).

FERRIS STATE UNIVERSITY

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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
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Advising Notes

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

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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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.

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MARKETING TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Marketing
Degree Type: Bachelor of Science
Ferris College: College of Business
Transfer School: Alpena Community College (ACC)
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 | No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 211 or ENGL 250 | Industrial and Career Writing or English 2 | 3 | ENG 123 or ENG 112 or ENG 122 |
| ENGL 325 | Advanced Business Writing | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

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

FERRIS STATE UNIVERSITY

| 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 MTH 113 |

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, 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 | PSY 101 |
| ECON 201 | Principles of Microeconomics | 3 | ECN 231 |
| ECON 202 | Principles of Macroeconomics | 3 | ECN 232 |

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 | BUS 123 |
| ACCT 202 | Principles of Managerial Accounting | 3 | BUS 124 |
| STQM 260 | Introduction to Statistics | 3 | MTH 223 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-----------------------------------|---------------------|-----------------|
| MGMT 301 | Applied Management | 3 | BUS 127 |
| BLAW 321 | Contracts and Sales | 3 | BUS 222 |
| MKTG 321 | Principles of Marketing | 3 | BUS 241 |
| 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 | BUS 255 or CIS 120 or MTH 119 |
| 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 231 | Professional Selling | 3 | BUS 122 |
| AIMC 300 | Principles of Advertising/ Integrated Marketing Communications | 3 | BUS 229 |
| MGMT 310 or Marketing Elective (Advisor Approval) | Small Business Management or Marketing Elective | 3 | BUS 128 |
| MKTG 322 | Consumer Behavior | 3 | No Equivalent |
| 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 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-----------------------------|---------------------|-----------------|
| MKTG 499 | Marketing Strategy Capstone | 3 | No Equivalent |

CONCENTRATION – 12 Credits Required (Advisor Approval)

Choose One Concentration

Digital Marketing Concentration (DGMK)

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|---|---------------------|-----------------|
| DSGN 224 or AIMC 375 | Web Design and Planning or Business-to-Business Advertising and Integrated Marketing Communications | 3 | No Equivalent |
| AIMC 382 | Business-to-Business Digital Marketing | 3 | No Equivalent |
| AIMC 383 | Business-to-Consumer Digital Marketing | 3 | No Equivalent |
| MKTG 383 | Direct and Digital Marketing | 3 | No Equivalent |

Healthcare Marketing Concentration (HCMK)

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--------------------------------------|---------------------|-----------------|
| COHP 101 | The United States Health Care System | 3 | No Equivalent |
| MRIS 103 | Medical Terminology | 3 | BIS 160 |
| HCSA 202 | Health Care Law 1 | 3 | No Equivalent |
| MRIS 221 | Foundations of Reimbursement | 3 | No Equivalent |

Marketing Concentration (MKT)

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 |

Professional Sales Concentration (PFSL)

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|---|---------------------|-----------------|
| MKTG 331 or MKTG 410 | Strategic Selling or Industrial Marketing | 3 | No Equivalent |
| MKTG 431 | Advanced Selling | 3 | No Equivalent |
| MKTG 436 | Sales Management | 3 | No Equivalent |
| MKTG 466 | Purchasing | 3 | No Equivalent |

Retailing Concentration (RET)

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------------------|--|---------------------|-----------------|
| MKTG 337 | Principles of Commerce | 3 | No Equivalent |
| MKTG 339 | Visual Merchandising | 3 | No Equivalent |
| AIMC 383 or MKTG 383 or MKTG 466 | Business-to-Consumer Digital Marketing or Direct and Digital Marketing or Purchasing | 3 | No Equivalent |
| MKTG 438 | Strategic Channel Marketing | 3 | No Equivalent |

Sports Marketing Concentration (SPMK)

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--|--|---------------------|-----------------|
| MKTG 420 | Sports Marketing | 3 | No Equivalent |
| MKTG 491 | Marketing Internship | 3 | No Equivalent |
| PREL 240 | Public Relations Principles | 3 | No Equivalent |
| PREL 341 or Directed Elective (Advisor Approval) | Public Relations Tactics or Directed Elective (Advisor Approval) | 3 | Varies |

FERRIS STATE UNIVERSITY

PROGRAM CONTACT INFORMATION

College of Business

Marketing

(231) 591-2426

MKTG@Ferris.edu

Ferris Statewide - Alpena

(231) 995-1734

FerrisNorth@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

2.50 High School GPA (on a 4.00 scale)

- SAT Scores Two of the Three Criteria:
 - 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
 - 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.

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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.

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.

FERRIS STATE UNIVERSITY

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

Ferris Program: Mechanical Engineering Technology

Degree Type: Bachelor of Applied Science

Ferris College: College of Engineering Technology

Transfer School: Kalamazoo Valley Community College (KVCC)

Consortium Eligible: No

Articulation Agreement: Yes

Total Credits Required: 130-131

Catalog Year: 2024-2025

The effective dates of this articulation agreement are under revision.

GENERAL EDUCATION REQUIREMENTS – 56-57 Credits Required

Students are encouraged to work with an advisor to select appropriate general education courses. Diversity Competency -2 Courses Required. If not met by courses taken for Culture, Self and Society, or MTA, a student must meet the following: 1 course with the Global Diversity attribute and 1 course with the U.S. Diversity attribute. Ferris State University General Education www.ferris.edu/gened.

Communication Competency

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

Quantitative Literacy Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| MATH 116 | Intermediate Algebra 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 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 |

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 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 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 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|----------------------------|------------------------|
| 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 |
| EAET 201 | Electrical Fundamentals | 3 | ELT 102 |
| MATL 240 | Introduction to Material Science | 4 | EDMT 260 |
| MATL 341 | Material Selection Metals | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-----------------------------|---------------------|-----------------|
| MFGE 341 | Quality Science Statistics | 3 | No Equivalent |
| MFGE 423 | Engineering Economics | 2 | No Equivalent |
| Varies | Approved Technical Elective | 6 | Varies |

PROGRAM CONTACT INFORMATION

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

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

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

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

MORE INFORMATION

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at a statewide location).

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

Steps to Apply

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

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, transfer policies and have any questions answered prior to completing an application. Ferris accepts transfer courses in which the student earned a letter grade of "C" or better. Additional policies such as the Ferris Sunset

FERRIS STATE UNIVERSITY

and Residency Requirement should be discussed with a Ferris advisor. Students who are completing the MTA may have different general education course requirements for the particular degree selected.

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

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*Indicates an approved Ferris course substitution

Reverse Transfer Agreement

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

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Transfer Equivalencies Tools

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

NURSING - RN TO BSN COMPLETION TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Nursing - RN to BSN Completion

FERRIS STATE UNIVERSITY

Degree Type: Bachelor of Science in Nursing

Ferris College: College of Health Professions

Transfer School: Alpena Community College (ACC)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2022-2023

RN to BSN Concurrent Admissions Students can be concurrently admitted to our Bachelor of Science in Nursing simultaneously while they are completing their Associate Degree in Nursing. Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended. Students must be enrolled in the Associate Degree in Nursing and have at least one semester of nursing coursework in progress or completed to be considered for the concurrent admissions option.

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 | SPE 121 or SPE 123 or No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 321 | Advanced Composition | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--|--|---------------------|--|
| MATH 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 | 4 or 3 or 4 or 4 | No Equivalent or MTH 113 or MTH 116 or MTH 118 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--------------------------|---------------------|-----------------|
| | Contemporary Mathematics | | |

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 108 | Medical Microbiology | 3 | BIO 140 or CEM 111 |
| BIOL 251 and BIOL 252 | Human Anatomy and Human Physiology | 6 | BIO 201 and BIO 203 |

Culture Competency

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| Varies | Culture Electives (Consult Advisor) | 9 | Varies |

Self and Society Competency

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

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

COLLEGE REQUIREMENTS – 81 Credits Required

College of Health Professions (COHP) Core Curriculum

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--------------------------------------|---------------------|-----------------|
| COHP 100 | Orientation to Medical Vocabulary | 1 | Varies |
| COHP 101 | The United States Health Care System | 3 | Varies |
| COHP 102 | Safety Issues in Health Care | 1 | Varies |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|----------------------------|---------------------|-----------------|
| COHP 350 | Statistics in Health Care | 3 | No Equivalent |
| 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 AAS | ADN or Diploma RN Program | 40 | Varies |
| NURS 320 | RN to BSN Skills Acquisition | 3 | No Equivalent |
| NURS 324 | Transition into Professional Nursing | 3 | No Equivalent |
| NURS 310 | Population Based Health Promotion | 3 | No Equivalent |
| NURS 340 | Community Nursing | 3 | No Equivalent |
| NURS 440 | Leadership in Nursing | 3 | No Equivalent |
| NURS 450 | Nursing Capstone | 3 | No Equivalent |
| NURS 495 | Senior Capstone Leadership Practicum | 4 | No Equivalent |
| (Choose 1 of 8) COHP 300 | Health Informatics | 3 | No Equivalent |
| (Choose 1 of 8) NURS 300 | Pathophysiology for Nursing Practice | 3 | No Equivalent |
| (Choose 1 of 8) NURS 314 | Gerontological Nursing | 3 | No Equivalent |
| (Choose 1 of 8) NURS 315 | End of Life Nursing Care | 3 | No Equivalent |
| (Choose 1 of 8) NURS 316 | Transcultural Nursing | 3 | No Equivalent |
| (Choose 1 of 8) NURS 317 | Spirituality in Nursing Care | 3 | No Equivalent |
| (Choose 1 of 8) NURS 319 | Disaster Nursing and Emergency Preparedness | 3 | No Equivalent |
| (Choose 1 of 8) Varies | Elective Course (Advisor Approval) | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

Electives (Consult Advisor)

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

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

PROGRAM CONTACT INFORMATION

College of Health Professions

[School of Nursing](#)

(231) 591-2259

CHP@Ferris.edu

[Ferris Statewide - Alpena](#)

(231) 995-1734

FerrisNorth@Ferris.edu

[Ferris Online](#)

(231) 591-2340

Online@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

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

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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Big Rapids, MI 49307

FERRIS STATE UNIVERSITY

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 - ACT Scores; go to the [ACT website](#) - Ferris State University School Code: 1994
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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.

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FERRIS STATE UNIVERSITY

PUBLIC RELATIONS TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Public Relations
Degree Type: Bachelor of Science
Ferris College: College of Business
Transfer School: Alpena Community College (ACC)
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 121 | Fundamentals of Public Speaking | 3 | SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| ENGL 325 | Advanced Business Writing | 3 | No Equivalent |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
 - Official Post-2016 Math SAT Score of 580 or Higher
 - Official Math ACT Score of 24 or Higher
- Students must substitute General Education elective credits for MATH 114 or 115 if their Math ACT score is 24 or higher or their SAT score is 580 or higher.

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|-----------------------------|
| MATH 114 or MATH 115 | Quantitative Reasoning for Professionals 2 or Intermediate Algebra | 4 or 3 | No Equivalent or MTH 113 |

Natural Sciences Competency

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

FERRIS STATE UNIVERSITY

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

Culture Competency

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

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

Self and Society Competency

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------|---------------------|-----------------|
| PSYC 150 | Introduction to Psychology | 3 | PSY 101 |
| ECON 201 | Principles of Microeconomics | 3 | ECN 231 |
| ECON 202 | Principles of Macroeconomics | 3 | ECN 232 |

COLLEGE REQUIREMENTS – 81-82 Credits Required

Business Core Requirements

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|-------------------------------------|---------------------|-----------------|
| ACCT 201 | Principles of Financial Accounting | 3 | BUS 123 |
| ACCT 202 | Principles of Managerial Accounting | 3 | BUS 124 |
| STQM 260 | Introduction to Statistics | 3 | MTH 223 |
| MGMT 301 | Applied Management | 3 | BUS 127 |
| BLAW 301 | Legal Environment of Business | 3 | No Equivalent |
| MKTG 321 | Principles of Marketing | 3 | BUS 241 |
| MGMT 370 | Quality and Operations Management | 3 | No Equivalent |

FERRIS STATE UNIVERSITY

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

Major Courses

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--|---|---------------------|-----------------|
| DSGN 100 or GCOM 131 or DSGN 224 | Design Foundations or Building Professional Digital Documents or Web Design and Planning | 3 | No Equivalent |
| JRNL 121 | Writing for Mass Media | 3 | ENG 125 |
| PREL 201 | Public Relations Seminar | 3 | No Equivalent |
| PREL 240 | Public Relations Principles | 3 | No Equivalent |
| PREL 341 | Public Relations Tactics | 3 | No Equivalent |
| PREL 360 | Reputation Management and Crisis Control | 3 | No Equivalent |
| AIMC 370 | Social Media and Content Marketing | 3 | No Equivalent |
| MKTG 425 | Marketing Research | 3 | No Equivalent |
| PREL 440 | Public Relations Strategy | 3 | No Equivalent |
| PREL 455 | Public Relations Campaigns | 3 | No Equivalent |
| PREL 491 | Public Relations Internship | 3 | No Equivalent |

Additional Requirements

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|-------------------------|---|---------------------|-----------------------|
| ISYS 105 | Introduction to Microcomputer Systems and Software | 3 | CIS 120 |
| SOCY 121 or ANTH 122 | Introductory Sociology or Introduction to Cultural Anthropology | 3 | SOC 123 or ANP 121 |

FERRIS STATE UNIVERSITY

CONCENTRATION – 12-13 Credits Required (Advisor Approval)

Choose One Concentration

Employee Relations Concentration (EMRL)

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| MGMT 373 | Human Resource Management | 3 | BUS 235 |
| MGMT 375 | Negotiations | 3 | No Equivalent |
| MGMT 385 | Recruitment and Selection | 3 | No Equivalent |
| Varies | Employee Relations Directed Elective (Advisor Approval) | 3 | Varies |

Investor Relations Concentration (INRL)

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

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

Marketing Promotions Concentration (MKPR)

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| MKTG 231 | Professional Selling | 3 | BUS 122 |
| AIMC 300 | Principals of Advertising and Integrated Marketing Communications | 3 | BUS 229 |
| MKTG 322 | Consumer Behavior | 3 | No Equivalent |
| Varies | Marketing Promotions Directed Elective (Advisor Approval) | 3 | Varies |

Media Relations Concentration (MDRL)

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

FERRIS STATE UNIVERSITY

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

Public Relations Concentration (PURE)

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

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

PROGRAM CONTACT INFORMATION

College of Business

Marketing

(231) 591-2426

MKTG@Ferris.edu

Ferris Statewide - Alpena

(231) 995-1734

FerrisNorth@Ferris.edu

ADMISSION REQUIREMENTS

New Student Admission Requirements

2.50 High School GPA (on a 4.00 scale)

- SAT Scores Two of the Three Criteria:

- 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.

FERRIS STATE UNIVERSITY

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

MORE INFORMATION

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at a statewide location).

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

Steps to Apply

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

Advising Notes

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

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

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

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

*Indicates an approved Ferris course substitution

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.

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.

SURVEYING ENGINEERING TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Surveying Engineering

Degree Type: Bachelor of Applied Science

Ferris College: College of Engineering Technology

Transfer School: Alpena Community College (ACC)

Consortium Eligible: No

Total Credits Required: 143

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 68 Credits Required

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

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

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------------------|---------------------|-----------------------|
| COMM 121 | Fundamentals of Public Speaking | 3 | No Equivalent |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------|---------------------|-----------------|
| * ENGL 250 | English 2 | 3 | No Equivalent |

* 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 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 220 | Analytical Geometry and Calculus 1 | 4 | MTH 131 |

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 | CEM 121 |
| 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 at FSU 200 level or higher course.

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

Self and Society Competency

Three courses are required with a minimum of 9 credits: must be from two different disciplines 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 |

Additional General Education Requirements

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

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------------|---------------------|-----------------|
| MATH 230 | Analytical Geometry and Calculus 2 | 4 | MTH 132 |
| PHYS 241 | General Physics 1 | 5 | PHY 221 |
| PHYS 242 | General Physics 2 | 5 | PHY 222 |
| MATH 322 | Linear Algebra | 3 | No Equivalent |
| MATH 330 | Differential Equations | 3 | MTH 232 |

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 | CON 121 and CON 124 |
| SURE 215 | Surveying Computations | 3 | No Equivalent |
| CENG 220 | Engineering Surveying | 3 | No Equivalent |
| GISC 225 | Principles of Geographic Information Systems | 3 | No Equivalent |
| CENG 240 | Engineering Statistics | 3 | No Equivalent |
| SURE 230 | Advanced Surveying | 3 | No Equivalent |
| GISC 239 | Remote Sensing | 3 | No Equivalent |
| SURE 272 | Programming Applications in Geomatics | 2 | No Equivalent |
| CENG 321 | Hydraulics Engineering | 4 | No Equivalent |
| SURE 340 | Photogrammetry | 3 | No Equivalent |
| SURE 365 | Legal Aspects of Surveying 1 | 3 | No Equivalent |
| SURE 366 | Evidence and Procedure for Boundary Locations | 3 | No Equivalent |
| SURE 372 | Adjustment Computations 1 | 2 | No Equivalent |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| 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

Ferris Statewide - Alpena
(231) 995-1734
FerrisNorth@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.

FERRIS STATE UNIVERSITY

Steps to Apply

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

Advising Notes

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

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.

FERRIS STATE UNIVERSITY

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SURVEYING TECHNOLOGY TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Surveying Technology

Degree Type: Associate of Applied Science

Ferris College: College of Engineering Technology

Transfer School: Alpena Community College (ACC)

Consortium Eligible: No

Total Credits Required: 61

Catalog Year: 2022-2023

GENERAL EDUCATION REQUIREMENTS – 28 Credits Required

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

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------|---------------------|-----------------------|
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |

Quantitative Literacy Competency

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

- Official Pre-2016 Math SAT Score of 560 or Higher
- Official Post-2016 Math SAT Score of 580 or Higher
- Official Math ACT Score of 24 or Higher

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|----------------------|---------------------|-----------------|
| MATH 115 | Intermediate Algebra | 3 | MTH 113 |

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 |

FERRIS STATE UNIVERSITY

Culture Competency

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

Self and Society Competency

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

Additional General Education Requirements

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| COMM 121 | Fundamentals of Public Speaking | 3 | SPE 123 |
| MATH 120 | Trigonometry | 3 | MTH 122 |
| MATH 130 | Advanced Algebra and Analytical Trigonometry | 4 | MTH 123 |

COLLEGE REQUIREMENTS – 33 Credits Required

Major Courses

29 Credits Required.

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

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------|---------------------|-----------------|
| 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 | CON 121 |

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
(231) 591-2633
Surveying@Ferris.edu

[Ferris Statewide - Alpena](#)
(231) 995-1734
FerrisNorth@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).

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FERRIS STATE UNIVERSITY

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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

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

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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

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FERRIS STATE UNIVERSITY

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WELDING ENGINEERING TECHNOLOGY TRANSFER GUIDE FOR ALPENA COMMUNITY COLLEGE

Ferris Program: Welding Engineering Technology

Degree Type: Bachelor of Applied Science

Ferris College: College of Engineering Technology

Transfer School: Alpena Community College (ACC)

Consortium Eligible: No

Total Credits Required: 129

Catalog Year: 2022-2023

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.

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------------------|---------------------|-----------------------|
| COMM 121 | Fundamentals of Public Speaking | 3 | SPE 123 |
| ENGL 150 | English 1 | 3 | ENG 111 or ENG 121 |
| ENGL 250 | English 2 | 3 | ENG 112 or ENG 122 |
| 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 130 | Advanced Algebra and Analytical Trigonometry | 4 | MTH 123 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------------|---------------------|-----------------|
| MATH 220 | Analytical Geometry and Calculus 1 | 4 | MTH 131 |

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 | CEM 111 |
| PHYS 211 | Introductory Physics 1 | 4 | PHY 121 |

Culture Competency

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

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

Self and Society Competency

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

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

COLLEGE REQUIREMENTS – 83 Credits Required

Major Courses

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 |

FERRIS STATE UNIVERSITY

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|------------------------------------|---------------------|-----------------|
| 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 |
|---------------|-----------------------------|---------------------|-----------------|
| EEET 301 | Controls for Automation | 3 | No Equivalent |
| MECH 250 | Fluid Power with Controls | 2 | IND 229 |
| 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 Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| Varies | Associate of Applied Science (AAS) in Welding Technology (WELT) Credits | 40 | Varies |
| * EAET 201 | Electrical Fundamentals | 3 | APP 100E |
| * ETEC 140 | Engr Graphics Comprehensive | 3 | CAD 150 |
| * MATL 240 | Introduction to Material Science | 4 | MET 200 |

* Required for admission to the Welding Engineering Technology Bachelor of Science program.

PROGRAM CONTACT INFORMATION

College of Engineering Technology
Welding Engineering Technology Programs
(231) 591-2511
WeldingDegrees@Ferris.edu

Ferris Statewide - Alpena

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(231) 995-1734

FerrisNorth@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

Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at a statewide location).

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

Steps to Apply

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

Advising Notes

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

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

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

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

*Indicates an approved Ferris course substitution

FERRIS STATE UNIVERSITY

Reverse Transfer Agreement

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

Michigan Transfer Agreement (MTA)

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

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

Transfer Equivalencies Tools

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

Disclaimer

Transfer guides are not intended to be a contract with Ferris. The information in this guide is subject to change and is aligned with the catalog year listed above. Students should contact their community college and/or Ferris to keep informed of changes. Students' final responsibility for verifying all transfer information lies with the student. Please refer to the [Ferris catalog](#) for the most current curriculum.

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