

FERRIS STATE UNIVERSITY

INDUSTRIAL TECHNOLOGY AND MANAGEMENT TRANSFER GUIDE FOR WAYNE COUNTY COMMUNITY COLLEGE DISTRICT

Ferris Program: Industrial Technology and Management

Degree Type: Bachelor of Applied Science

Ferris College: College of Engineering Technology

Transfer School: Wayne County Community College District (WCCCD)

Consortium Eligible: Yes

Total Credits Required: 120-121

Catalog Year: 2024-2025

GENERAL EDUCATION REQUIREMENTS – 40-41 Credits Required

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

Visit the Ferris State for more information.

Communication Competency

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|--|---|---------------------|-----------------------|
| COMM 121 | Fundamentals of Public Speaking | 3 | SPH 101 |
| ENGL 150 | English 1 | 3 | ENG 119 |
| ENGL 211 or ENGL 250 | Industrial and Career Writing or English 2 | 3 | ENG 134 or ENG 120 |
| ENGL 311 or ENGL 321 or ENGL 325 | Advanced Technical Writing or Advanced Composition or Advanced Business Writing | 3 | No Equivalent |

Quantitative Literacy

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|----------------------|--|---------------------|--|
| MATH 126 or MATH 130 | Algebra and Analytic Trigonometry or Advanced Algebra and Analytical Trigonometry | 4 | No Equivalent or MAT 155 and MAT 156 |

Natural Sciences Competency

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

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| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---------------------------|---------------------|-----------------|
| PHYS 211 | Introductory Physics 1 | 4 | PHY 235 |
| Varies | Natural Sciences Elective | 2 | Varies |

Culture Competency

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

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

Self and Society Competency

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

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

COLLEGE REQUIREMENTS – 80 Credits Required

Major Courses

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

| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|--|---------------------|-----------------|
| MGMT 301 | Applied Management | 3 | MGT 205 |
| PROJ 320 | Project Management Fundamentals | 3 | PRM 220 |
| MKTG 321 | Principles of Marketing | 3 | MKT 200 |
| COHP 330 | OSHA Law | 2 | No Equivalent |
| MFGE 341 | Quality Science Statistics | 3 | No Equivalent |
| APPS 350 | Automation and Technology Management | 3 | No Equivalent |
| APPS 351 | Lean Thinking Production Flow and Plant | 3 | No Equivalent |
| MFGE 352 | Design for Manufacturing | 2 | No Equivalent |
| MGMT 370 | Quality and Operations Management | 3 | No Equivalent |
| APPS 401 | Contemporary Issues in Industrial Management | 3 | No Equivalent |

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| Ferris Course | Ferris Course Title | Ferris Credit Hours | Transfer Course |
|---------------|---|---------------------|-----------------|
| APPS 420 | Manufacturing Certification and Standardization | 3 | No Equivalent |
| MFGE 423 | Engineering Economics | 2 | No Equivalent |
| APPS 450 | Manufacturing Improvement Management | 3 | No Equivalent |
| APPS 499 | Senior Project Capstone | 3 | No Equivalent |

Manufacturing, Industrial, or Business-Related Requirements

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

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

PROGRAM CONTACT INFORMATION

Industrial Technology and Management Program
(586) 445-7150

(586) 445-7150

ADMISSION REQUIREMENTS

New Student Admission Requirements

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

Transfer Student Admission Requirements

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- The degree completion program at a statewide and online location requires 48 transferable semester credits to be admitted.
- Transfer equivalency for Ferris State University's ENGL 150 or placement during the first semester at Ferris State University.
- Transfer equivalency for Ferris State University's MATH 114 or 115 or placement during the first semester at Ferris State University.
- It is highly recommendable that applicants have a minimum of five years of industrial or manufacturing experience.

MORE INFORMATION

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

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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 .
- Submit official transcripts
 - Submit official transcripts from every school attended to
 - 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 - Ferris State University School Code: 1994
 - SAT, CLEP and AP Sores; go to the - 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 .

*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 .

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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 for the most current curriculum.

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