

Muskegon Community College (MCC)

Transfer Guide

The Bachelor of Applied Science in Industrial Technology and Management is designed to complement training in a technical area to obtain a management role in a manufacturing/related industry. Foundation classes provide a depth of knowledge applicable to technology fields with classes in automation, globalization, lean manufacturing, management, quality statistics, and industrial operations. Students typically have work experience in manufacturing which allows students to bring their own knowledge to the classroom for a unique perspective on solving manufacturing problems. Common job titles upon completion of this program include production supervisor, project leader, project manager, continuous improvement manager, lean specialist, team leader, quality engineer, etc. Additional career tracks one could expect from obtaining this degree may also be available in engineering, upper management, and sales.

Communication Competency

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
COMM 121	Fundamentals of Public Speaking	3	COM 201	Public Speaking	3
ENGL 150	English 1	3	ENG 101	English Composition	3
ENGL 211 or ENGL 250	Industrial and Career Writing or English 2	3	BCOM 102 or ENG 102	Adv Business-Technical Comm or English Composition	3
ENGL 311 or ENGL 321 or ENGL 325	Advanced Technical Writing or Advanced Composition or Advanced Business Writing	3	No Equivalent	No Equivalent	0

Quantitative Literacy – See below or Official Pre-2016 Math SAT Score of 590 or Higher, Official Post-2016 Math SAT Score of 620 or Higher, or Official MATH ACT Score of 26 or Higher.

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
MATH 126 or MATH 130	Algebra & Analytical Trigonometry or Pre-Calculus	4	MATH 111 + MATH 112	Algebra / Coord Geometry + Trigonomometric Functions	8

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

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
PHYS 211	Introduction to Physics 1	4	PHYS 201	College Physics Lec & Lab	5
Varies	Natural Sciences Elective	3	Varies	Varies	3

Culture Competency – Three courses are required with a minimum of 9 credits: must be from 2 different disciplines, have at least 1 at FSU 200 level or higher course.

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Culture Electives	9	Varies	Varies	9

Self and Society Competency – Three courses are required with a minimum of 9 credits: must be from 2 different disciplines, have at least 1 at FSU 200 level or higher course.

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Self and Society Electives	9	Varies	Varies	9

Students are encouraged to work with an advisor to select appropriate general education courses or may visit www.ferris.edu/gened.

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
- 1 course with the U.S. Diversity attribute

Major Requirements – 39 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
MGMT 301	Applied Management	3	BUS 122	Principles of Management	
PROJ 320	Project Management Fundamentals	3	No Equivalent	No Equivalent	0
MTKG 321	Principles of Marketing	3	BUS 260	Principles of Marketing	
COHP 330	OSHA Laws	2	No Equivalent	No Equivalent	0
MFGE 341	Quality Science Statistics	3	No Equivalent	No Equivalent	0
APPS 350	Automation and Technology Management	3	No Equivalent	No Equivalent	0
APPS 351	Lean Thinking Production Flow and Plant	3	No Equivalent	No Equivalent	0
MFGE 352	Design for Manufacturing	2	No Equivalent	No Equivalent	0
MGMT 370	Quality & Operations Mgmt.	3	No Equivalent	No Equivalent	0
APPS 401	Contemporary Issues in Industrial Management.	3	No Equivalent	No Equivalent	0
APPS 420	Manufacturing Certification and Standardization	3	No Equivalent	No Equivalent	0
MFGE 423	Engineering Economics	2	No Equivalent	No Equivalent	0
APPS 450	Manufacturing Improvement Management.	3	No Equivalent	No Equivalent	0
APPS 499	Senior Project Capstone	3	No Equivalent	No Equivalent	0

Manufacturing, Industrial, or Business-Related Requirements – 40 Credits Required

FSU Course	FSU Course Title	FSU Cr. Hrs.	MCC Equiv.	MCC Course Title	MCC Cr. Hrs.
Varies	Electives (See FSU Advisor)	40	Varies	Varies	40

Total Credits Required for Degree	120 - 121
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No more than 90 credits may be transferred from the community college to Ferris State University.

Program Delivery Locations and Contact Information:

Ferris Statewide – Warren

(586) 445-7150 | itmpprogram@ferris.edu | www.ferris.edu/statewide

Ferris Statewide – *Muskegon

(616) 451-4777 | FerrisMuskegon@ferris.edu | www.ferris.edu/statewide | [Financial Aid Consortium Eligible](#)

*Muskegon students take their Ferris classes at the Grand Rapids location

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 an off-campus location).

General Admission Criteria

New Student Admission Requirements for incoming freshman refer to the Ferris Catalog www.ferris.edu/catalog

Transfer Students

- Combined college or university GPA of 2.50 (on a 4.00 scale) from all institutions attended.
- Minimum 48 transferable credit hours (C or higher) from an accredited college or university.
- Transfer equivalency or placement for FSU ENGL 150
- Transfer equivalency for FSU MATH 115 or placement during the first semester at FSU which would require an ACT MATH score of 19 or higher; SAT MATH of 500 or higher; or Accuplacer Math scores: Elementary Algebra score 75 or higher and College Level Math 0-49.
- It is highly recommendable that applicants have a minimum of five years of industrial or manufacturing experience.

Steps to Apply

- Complete a free application at www.ferris.edu/apply.
 - Submit Official transcripts from every school attended to transfer@ferris.edu or Ferris State University Admissions Office, 1201 S. State St, CSS 201, Big Rapids, MI 49307
- Submit Test Scores (if required)
 - ACT Scores; go to www.act.org. Ferris State University School Code: 1994
 - SAT, CLEP and AP Scores; go to www.collegeboard.org. Ferris State University School Code: 1222

Advising Notes

It is recommended that potential applicants meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. 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 course work may reduce the chance of completing a course that will not apply toward the selected degree. Once admitted, students must continue to meet with an advisor as they work toward graduation.

Ferris State University and Muskegon Community College – Industrial Technology and Management - Transfer Guide

Effective 2022-2023

Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit ferris.edu/non-discrimination.

Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation.

Reverse Transfer Agreement

The Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both the community college and Ferris.

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.

Students must work with their Ferris advisor to declare a Minor or Concentration and for selection of Directed Electives.

Disclaimer

This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change. **Students should contact their community college or Ferris to keep informed of changes.** Final responsibility for verifying all transfer information lies with the student. Please refer to effective and/or revised date on the bottom of this guide and the Ferris Catalog at www.ferris.edu/catalog.

Partners may contact the Transfer Services Center with questions or updates at transferguidesarticulations@ferris.edu.