

The Industrial Technology & Management (ITM), B.A.S. degree is designed for persons involved in any one of a number of areas in manufacturing who may possess many manufacturing or business-related credits or an Associate degree, and who desire a Bachelor's degree. This degree program will assist persons who want to make a career change with their current employer or a career transition to a new employer. The ITM program is designed to assist persons who desire to work in production supervision, sales engineering, production planning, quality, engineering supervision, and project management among other positions. Employment experience in a manufacturing or industrial environment is highly recommended. Program offered at Ferris Statewide, Grand Rapids.

Course requirements that can be completed at LMC

LMC Course	Ferris Equivalency	LMC Course Title	LMC Credit Hours
COMM 101	COM 121	Introduction to Public Speaking	3
ENGL 101	ENGL 150	English Composition	3
ENGL 102	ENGL 250	English Composition	3
MATH 135 or MATH 128 and MATH 130	MATH 130 or MATH 126*	Pre-calculus Algebra/Trig or Pre-calculus Algebra and Pre-calculus Trig	5-7
PHYS 101	PHYS 211*	General Physics I	5
LMC	Varies	FSU General Education - Natural Science Elective (non-lab)	3-4
LMC	Varies	FSU General Education - Culture Elective (1 at FSU 200+ level)	9
LMC	Varies	FSU General Education - Self and Society Elective (1 at FSU 200+ level)	9
BUSA 211	MGMT 301	Principles of Management	3
BUSA 209	MKTG 321	Principles of Marketing	3
LMC		Manufacturing or Business-Related Electives (See FSU advisor)	41
Total LMC Credits			87 - 90

FSU General Education Requirements can be found at: [Ferris General Education Requirements](#). Students are encouraged to work with an advisor to select appropriate general education courses.

Course requirements that will need to be completed at Ferris State University

Ferris Course	Ferris Course Title	Ferris Credit Hours
ENGL 311 or ENGL 325 or ENGL 321	Advanced Technical Writing or Business Writing or Advanced Composition	3
PROJ 320	Project Management Fundamentals	3
MFGE 352	Design for Manufacturing	2
APPS 350	Automation Technology and Management	3
APPS 351	Production Flow and Plant Layout	3
APPS 401	Contemporary Issues in Industrial Management	3
COHP 330	OSHA Laws and Regulations	2
MFGE 341	Quality Science Statistics	3
MFGE 423	Engineering Economics	2
MGMT 370	Quality Operations Management	3
APPS 420	Manufacturing Certification and Standardization	3
APPS 450	Manufacturing Improvement Management	3
APPS 499	Senior Project Capstone	3
Total Ferris Credits		36
Total Credits Required for Degree		120 - 126

Program Contact Information:

Ferris Statewide, FSU-Grand Rapids

(616) 451-4777 or (800) 998-3425

fsugr@ferris.edu

www.ferris.edu/statewide

www.ferris.edu/grandrapids

www.ferris.edu/transfer

General Admission Criteria

To be admitted to this degree program, either a completed associate degree or at least 48 transferable semester credit hours (“C” or better on 4.0 scale) from an accredited college or university with a 2.5 overall GPA and credit for, or placement into Ferris’ ENGL 150 (**ENGL 101 at LMC**) and Ferris’ MATH 115 (**MATH 122 at LMC**) are required. It is highly suggested that applicants have at least 5 years work experience in manufacturing or other relevant industrial experience. Official transcripts from all accredited colleges/universities must be submitted with the Ferris application. Financial aid is available and may include concurrent enrollment at both institutions.

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. Students are encouraged to work with their Ferris Advisor for selection of any electives, to ensure transferability and to minimize credits taken.

Transfer Student Orientation

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

Online Learning

Select courses are 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). The “Online Readiness Tutorial” is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in Blackboard skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, submitting a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

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 are encouraged to work with their Ferris advisor for selection of any electives, to ensure transferability and to minimize credits taken.

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.