

## Northwestern Michigan College Transfer Guide

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.

### Course Requirements

Northwestern Michigan College			
Course	Ferris Equiv.	Northwestern Course Title	Cr. Hrs.
COM 111	COMM 121	Fundamentals of Public Speaking	4
ENG 111	ENGL 150	English Composition	4
ENG 112 or ENG 220	ENGL 250 or ENGL 211	English Composition II	3-4
MTH 121 and MTH 122 or MTH 140	MATH 130*	College Algebra and Trigonometry or Advanced Algebra –Analytical Trig	5-7
PHY 121	PHYS 211*	Introductory Physics I	4
Northwestern	Varies	FSU General Education - Natural Science Elective	3-4
Northwestern	Varies	FSU General Education - Culture Elective (1 at FSU 200+ level)	9
Northwestern	Varies	FSU General Education - Self and Society Elective (1 at FSU 200+ level)	9
MGT 241	MGMT 301	Principles of Management	3
MKT 201	MKTG 321	Principles of Marketing	3
Northwestern	Varies	Manufacturing or Business-Related Electives (See FSU advisor)	41
<b>Total Northwestern Michigan College Credits</b>			<b>88-92</b>

Please refer to FSU's General Education Requirements at:  
<http://www.ferris.edu/htmls/academics/gened/index.htm>

\*Programmatic General Education Requirement

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.

Ferris State University		
Course	Ferris Course Title	Cr. Hrs.
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
<b>Total Ferris Credits</b>		<b>36</b>

**Credits Required for Degree** **124-128**

Program Offered at:

**Ferris Statewide, FSU-Traverse City**

(231) 995-1734 or (866) 857-1954

[ferrisnorth@ferris.edu](mailto:ferrisnorth@ferris.edu)

[www.ferris.edu/statewide](http://www.ferris.edu/statewide)

[www.ferris.edu/transfer](http://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 (**ENG 111 at NMC**) and Ferris' MATH 115 (**MTH 111 at NMC**) 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.

**Transfer Student Orientation**

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

**Online Learning**

Select courses delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction 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, they can submit 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.

**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 the effective and/or revised date on the bottom of the guide.