



BACHELOR’S DEGREE PROGRAM INFORMATION

Institution	Ferris State University
Degree/Program	B.S. Mechanical Engineering Technology
Credits Required	132-133

MICHIGAN TRANSFER AGREEMENT (MTA)

The MiTransfer Pathways builds on the Michigan Transfer Agreement (MTA). The MTA allows transfer students to select designated courses to complete a minimum of 30 credit hours fulfilling MTA distribution requirements. Students following MiTransfer Pathway agreements should complete the MTA in accordance with the sending institutions’ course designations and consider whether any recommended MiTransfer Pathways major-specific courses will “double count” to fulfill MTA distribution requirements in planning their transfer. More information about the MTA is available at www.mitransfer.org.

The MTA Mathematics distribution area allows students to complete one of three math pathways. The Mechanical Engineering MiTransfer Pathways faculty recommended that students complete a course in the Calculus pathway.

MiTRANSFER PATHWAYS COURSES

These courses are commonly agreed upon for transfer in this program around the state among participating institutions.

Pathway Course	Subject/ Course Number	Course Title	Credit Hrs
Calculus I	MATH 220	Analytical Geometry–Calculus I	4
Calculus II	MATH 230	Analytical Geometry–Calculus 2	4
Calculus III	MATH 320	Analytical Geometry–Calculus 3	4
Differential Equations*	MATH 330	Differential Equations	3
Physics I (Calculus-based, w/lab)	PHYS 211	Introductory Physics 1	4
Physics II (Calculus-based, w/lab)	PHYS 212	Introductory Physics 2	4
Chemistry 1 (w/lab)	CHEM 121	General Chemistry 1	4
Statics	NO COURSE		
Dynamics	MECH 360	Dynamics	3
Mechanics of Solids/Strength of Materials (no lab required)	NO COURSE		
<i>*Minimum 4 credits, linear algebra must be covered</i>			

REMAINING DEGREE REQUIREMENTS

These are required, recommended, or optional courses that transfer students could complete at a community college to fulfill degree requirements at the university/ receiving institution. Specifically, universities should include courses like Introduction to Engineering, and additional Linear Algebra courses as applicable.

General Education or Program Requirement	Subject/ Course Number	Course Title	Credit Hrs
General Education	CHEM 103	Preparatory Chemistry	3
General Education	MATH 126 or MATH 130	Varies	4
General Education	MATH 216 or MATH 220	Varies	4
General Education	MATH 226 or MATH 230	Varies	4
Program	MECH 111	MET Seminar	1
Program	MECH 122	Computer Apps 1 for Tech	2
Program	MECH 211	Fluid Mechanics	4
Program	MECH 222	Kinematics of Mechanisms	2
Program	MECH 223	Thermodynamics	3