



## BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	<b>University of Michigan-Flint</b>
Degree/Program	<b>BSE</b>
Credits Required	<b>128</b>

## 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](http://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	MTH 121	Calculus I	4
Calculus II	MTH 122	Calculus II	4
Calculus III	MTH 222	Multi-variate Calculus	4
Differential Equations*	MTH 303	Introduction to Differential Eqns	4
Physics I (Calculus-based, w/lab)	PHY 243	Principles of Physics I	5
Physics II (Calculus-based, w/lab)	PHY 245	Principles of Physics II	5
Chemistry 1 (w/lab)	CHM 260	Principles of Chemistry I	4
Statics	EGR 230	Statics	3
Dynamics	EGR 370	Dynamics	3
Mechanics of Solids/Strength of Materials (no lab required)	EGR 260	Mechanics of Deformable Solids	3

*\*Minimum 4 credits, linear algebra must be covered*

## 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
Program Requirement	EGR 102	Introduction to Engineering	3