



**BACHELOR'S DEGREE PROGRAM INFORMATION**

Institution	<b>Lawrence Technological University</b>
Degree/Program	<b>Bachelor of Science in Mechanical Engineering</b>
Credits Required	<b>132</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	MCS 1414	Calculus 1	4
Calculus II	MCS 1424	Calculus 2	4
Calculus III	MCS 2414	Calculus 3	4
Differential Equations*	MCS 2423	Differential Equations	3
Physics I (Calculus-based, w/lab)	PHY 2413+PHY 2421	University Physics I + Lab	4
Physics II (Calculus-based, w/lab)	PHY 2423+PHY 2431	University Physics II + Lab	4
Chemistry 1 (w/lab)	CHM 1213+CHM1221	University Chemistry I + Lab	4
Statics	EGE 2013	Statics	3
Dynamics	EME 3043	Dynamics	3
Mechanics of Solids/Strength of Materials	EME 3013	Mechanics of Materials	3
<i>*Minimum 4 credits, linear algebra must be covered</i>			
<b>TOTAL CREDITS</b>			<b>36</b>

**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	EME 1011	Foundations of Mechanical Engr	1
Program Requirement	EGE 1001	Fundamentals of Eng. Design Projects	1
Program Requirement	EGE 1102	Engr. Computer Applications Lab	2
Program Requirement	EME 2012	ME Graphics	
<b>TOTAL CREDITS</b>			<b>2</b>