



BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	Eastern Michigan University
Degree/Program	Mechanical Engineering, Bachelor of Science
Credits Required	124 Credit Hours

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 120	Calculus I	4
Calculus II	MATH 121	Calculus II	4
Calculus III	MATH 223	Multivariable Calculus	4
Differential Equations*	MATH 325	Differential Equations	3
Physics I (Calculus-based, w/lab)	PHY 223	Mechanics and Sound	5
Physics II (Calculus-based, w/lab)	PHY 224	Electricity and Light	5
Chemistry 1 (w/lab)	CHEM 121/122	General Chemistry I & Lab	3/1
Statics	ME 211	Statics	3
Dynamics	ME 312	Dynamics	3
	or PHY 230	Engineering Dynamics	
Mechanics of Solids/Strength of Materials (no lab required)	ME 313	Mechanics of Materials	3
<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
Program Requirement	MATH 122	Elementary Linear Algebra	3
Program Requirement	ME 100	Introduction to Engineering	3
General Education Requirement	<i>Perspectives on a Diverse World</i> - Demonstrate the application of learning in either Global Awareness or U.S. Diversity by completing one course, which may be transferred in as a part of the MTA. See EMU Undergraduate Catalog for a list of approved courses.		3