BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	**Kettering University**
Degree/Program	**Mechanical Engineering**
Credits Required	**161**

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-101	Calculus I	4
Calculus II	MATH-102	Calculus II	4
Calculus III	MATH-203	Calculus III	4
Differential Equations*	MATH-204	Differential Equations*	4
Physics I (Calculus-based, w/lab)	PHYS-114/115	Newtonian Mechanics (Calc-based w/lab)	3+1=4
Physics II (Calculus-based, w/lab)	PHYS 224/225	Electricity and Magnetism (Calc-based, w/lab)	3+1=4
Chemistry 1 (w/lab)	CHEM-135/136	Principles of Chemistry (w/lab)	3+1=4
Statics	MECH-210	Statics	4
Dynamics	MECH-310	Dynamics	4
Mechanics of Solids/Strength of Materials (no lab required)	MECH-212	Mechanics of Materials	4
*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
Degree Requirement	MECH-100	Engineering Graphical Communications	4
Degree Requirement	IME-100	Interdisciplinary Design & Manufacturing	4
Degree Requirement	EE-212/MECH-231L	Applied Electrical Circuits & Signals lab	4
Degree Requirement	MATH-307	Matrix Algebra	4