MECHANICAL ENGINEERING MITRANSFER PATHWAY

BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	**University of Michigan-Dearborn**
Degree/Program	**BSE/ME**
Credits Required	**128**

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 115	Calculus I	4
Calculus II	MATH 116	Calculus II	4
Calculus III	MATH 215	Calculus III	4
Differential Equations*	MATH 216 *or* MATH 228	Intro to Diff Equations *or* Differential Equations w/Linear Algebra	4
Physics I (Calculus-based, w/lab)	PHYS 150/150L	General Physics I lec/lab	4
Physics II (Calculus-based, w/lab)	PHY 151/151L	General Physics II lec/lab	4
Chemistry 1 (w/lab)	CHEM 134/134L	General Chemistry IB lec/lab	4
Statics	ME 260 is both our Statics & Mechanics of Solids/Strengths course	Design Stress Analysis	4
Dynamics	The Dynamics course is a junior/senior required level course so this can not be brought in from the CC. Students will earn ME general credit to apply to the bachelor's degree.		-
Mechanics of Solids/Strength of Materials (no lab required)*	ME 260 is both our Statics & Mechanics of Solids/Strengths course	Design Stress Analysis	-
**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**
General Education	ECON 201 or 202 (can be taken as part of MTA)	Macroeconomics or Microeconomics	4

General Education	Comp 270 (can be taken as part of MTA)	Technical Writing	3
Program Requirement	ENGR 250	Principles of Engineering Materials	3
Program Requirement	ENGR 100/100L	Introduction to Engineering	2