MECHANICAL ENGINEERING MITRANSFER PATHWAY

BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	**Central Michigan University**
Degree/Program	**Mechanical Engineering - BSME**
Credits Required	**130 – 134**

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	MTH 132	Calculus I	4
Calculus II	MTH 133	Calculus II	4
Calculus III	MTH 233	Calculus III	4
Differential Equations*	MTH 232	Linear Algebra & Differential Equations	3
Physics I (Calculus-based, w/lab)	PHY 145 PHY 175	University Physics I University Physics I Laboratory	4 1
Physics II (Calculus-based, w/lab)	PHY 146 PHY 176	University Physics II University Physics II Laboratory	4 1
Chemistry 1 (w/lab)	CHM 131	Introduction to Chemistry I	4
Statics	EGR 251	Statics	3
Dynamics	EGR 253	Dynamics	3
Mechanics of Solids/Strength of Materials (no lab required)	EGR 255	Strength of Materials	3
Computer Programming	EGR 200	Computer Aided Problem Solving for Engineers	3
Intro CAD/Graphics	IET 154	Engineering Design Graphics	3
**Minimum 4 credits, linear algebra must be covered*			
		TOTAL CREDITS	43

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	ENG 201	Intermediate Comp	3
Program Requirement	EGR 120	Introduction to Engineering	3
Program Requirement	EGR 190	Digital Circuits	3
		TOTAL CREDITS	9