



MECHANICAL ENGINEERING MiTRANSFER PATHWAY

ASSOCIATE DEGREE PROGRAM INFORMATION

Institution	St. Clair County Community College
Degree/Program	Associates in Science Transfer
Credits Required	60

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 114	Calculus I	4
Calculus II	MTH 215	Calculus II	4
Calculus III	MTH 216	Calculus III	4
Linear Algebra	MTH 210	Linear Algebra	3
Differential Equations*	MTH 217	Differential Equations	4
Physics I (Calculus-based, w/lab)	PHY 221	Mechanics, Heat, and Sound	5
Physics II (Calculus-based, w/lab)	PHY 222	Electricity, Light, and Modern Physics	5
Chemistry 1 (w/lab)	CHM 101	Intro to Inorganic Chemistry	4
Statics	PHY 231	Statics	3
Dynamics			
Mechanics of Solids/Strength of Materials (no lab required)			
Computer Programming	CIS 260	Intro to Programming	4
Intro CAD/Graphics	ETG 122	3D CAD Models	1
<i>*Minimum 4 credits, linear algebra must be covered</i>			
TOTAL CREDITS			41

REMAINING DEGREE REQUIREMENTS

These are additional associate degree requirements that are not MTA or MiTransfer Pathways courses. They might not be accepted for transfer by universities participating in the agreement.

General Education or Program Requirement	Subject/ Course Number	Course Title	Credit Hrs
		Remaining hours	
TOTAL CREDITS			

