



BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	Andrews University
Degree/Program	BSE Engineering, Mechanical Engineering Concentration
Credits Required	135 for bachelor's; 63 in major

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 191	Calculus I	4
Calculus II	MATH 192	Calculus II	4
Calculus III	MATH 240	Calculus III	4
Differential Equations*	MATH 286	Differential Equations	3
Physics I (Calculus-based, w/lab)	PHYS 241, 271 (lab)	Physics for Scientists & Engineers I & Lab	5
Physics II (Calculus-based, w/lab)	PHYS 242, 272 (lab)	Physics for Scientists & Engineers II & Lab	5
Chemistry 1 (w/lab)	CHEM 131	General Chemistry	4
Statics	ENGR 185	Engineering Statics	3
Dynamics	ENGR 285	Engineering Dynamics	3
Mechanics of Solids/Strength of Materials (no lab required)	ENGR 340	Mechanics of Materials	3

**Minimum 4 credits, linear algebra must be covered (See below, MATH 215)*

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 Cognate	CPTR 151	Computer Science	3
Program Cognate	MATH 215	Intro to Linear Algebra	3
Program Cognate	STAT 340	Probability & Statistics	3
GE Writing Course	ENGL 220	Technical Writing	3