



**BACHELOR’S DEGREE PROGRAM INFORMATION**

Institution	<b>Saginaw Valley State University</b>
Degree/Program	<b>B.S. in Mechanical Engineering (BSME)</b>
Credits Required	<b>124</b>

**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](http://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.

<b>Pathway Course</b>	<b>Subject/ Course Number</b>	<b>Course Title</b>	<b>Credit Hrs.</b>
Calculus I	MATH 161	Calculus I	4
Calculus II	MATH 162	Calculus II	4
Calculus III	MATH 261	Calculus III	4
Differential Equations*	MATH 262	Differential Equations	4
Physics I (Calculus-based, w/lab)	PHYS 211 Lecture & lab	Analytical Physics I & Intro. Physics I Lab.	5
Physics II (Calculus-based, w/lab)	PHYS 212 Lecture & lab	Analytical Physics II & Intro. Physics II Lab.	5
Chemistry 1 (w/lab)	CHEM 111 Lecture & lab	General Chemistry I Lecture & Lab.	5
Statics	ME 251	Engineering Statics	3
Dynamics	ME 252	Engineering Dynamics	3
Mechanics of Solids/Strength of Materials (no lab required)	ME 250/ME 353 Lecture & lab	Solid Mechanics /Principles of Engineering Materials	4/4

*\*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.

<b>General Education or Program Requirement</b>	<b>Subject/ Course Number</b>	<b>Course Title</b>	<b>Credit Hrs.</b>
Engineering Careers & Concepts	ME 101	Engineering Careers & Concepts	2