

BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	Saginaw Valley State University
Degree/Program	Mechanical Engineering (B.S.M.E.)
Credits Required	120 credits (34 required foundation credits – 9 engineering core credits – 47 major required credits – 6 advanced ME credits – 9 elective credits)

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 among participating institutions.

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

General Education or Program Requirement	Subject/ Course Number	Course Title	Credit Hrs
Program Requirement	ME*101 OR ECE*101	Engineering Careers & Concepts	2 credits
General Education Category 5 and Program Requirement	PHIL*210B	Appl Ethics – Engineering & Computer Tech	3 credits

ADVISING NOTES

Please indicate any advising notes for students following this transfer pathway at your institution.

Interdisciplinary major; no minor required.

BSME program admission as follows:

Students admitted to SVSU may declare a Pre-Mechanical Engineering major. Admission to the Mechanical Engineering program requires a cumulative GPA of 2.50 or higher in the following courses:

1. ME 101 Engineering Careers and Concepts
2. CHEM 111 General Chemistry I Lecture
3. CHEM 111L General Chemistry I Lab
4. MATH 161 Calculus I
5. ME 202 Engineering Data Analysis

Grades of a C (2.00) or higher must be achieved in each of the above courses; AP scores of three or higher satisfy this requirement. Students may then declare a Mechanical Engineering major and continue in the program.

Transfers of the equivalent of these above five courses from other institutions must meet the same cumulative and individual course GPA requirements listed above. Students with two or more course repeats (i. e., three or more total attempts) of any of the above five courses without achieving the minimum grade (C) are ineligible for admission to the Mechanical Engineering program. This course repeat requirement includes transfers of the above five courses.

Mechanical Engineering Program Course Repeat Policy

Each Mechanical Engineering course can only be repeated twice, three attempts in total. Students who do not pass the course with a grade of C (2.00) or higher upon their second repeat (third attempt) will be dismissed from the Mechanical Engineering program. Students who are dropped from the program may petition for reinstatement by submitting a Reinstatement Form to the Mechanical Engineering Department with a written reinstatement rationale within the first two weeks of the academic term prior to the term being requested for reinstatement.

Engineering courses are to be taken with careful attention paid to prerequisites. A student who receives a grade lower than a "C" in a Foundation, Engineering Core, or Mechanical Engineering course may not use that course to satisfy a prerequisite for another Mechanical Engineering course. The waiver of requirements, transfer credit, and/or fulfillment of requirements by subsequent courses are to be submitted by the student for departmental approval by filling out a course petition form available from the chairperson.

For more information about Transfer Pathways, please visit: <https://www.svsu.edu/transfer/transferguides/>