



## BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	<b>Saginaw Valley State University</b>
Degree/Program	<b>Cell Biology, Molecular Biology, and Biomedical Sciences (B.S.)</b>
Credits Required	<b>124 credits (42 foundation credits – 29 required credits – 20 elective credits)</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 Biology 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
Cell/Molecular Biology	BIOL*182 BIOL*182L	Intro to Cell and Molecular Biology Cell and Molecular Biology Lab	3 credits 1 credit
Organismal Biology	BIOL*181 BIOL*181L	Intro to Ecology, Evolution, Diversity/Ecology, Evolution, Diversity Lab	3 credits 1 credit
General Chemistry I	CHEM*111 CHEM*111L	General Chemistry I Lecture General Chemistry I Lab	4 credits 1 credit
General Chemistry II	CHEM*112 CHEM*112L	General Chemistry II Lecture General Chemistry II Lab	4 credits 1 credit
Organic Chemistry I	CHEM*230 CHEM*231	Organic Chemistry I Lecture Organic Chemistry I Lab	4 credits 1 credit
Organic Chemistry II	CHEM*330 CHEM*331	Organic Chemistry II Lecture Organic Chemistry II Lab	4 credits 1 credit

## 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
General Education Category 3 and Program Requirement	MATH*132B	Statistical Methods: Biostatistics	4 credits
General Education Category 3 and Program Requirement	MATH*140 <b>OR</b> MATH*161	Precalculus <b>OR</b> Calculus I	4 credits
General Education Category 4 and Program Requirement	PHYS*111/PHYS*111L and PHYS*112/PHYS*112L <b>OR</b> PHYS*211/PHYS*211L and PHYS*212/PHYS*212L	General Physics I (with lab) and General Physics II (with lab) <b>OR</b>	10 credits <b>OR</b> 10 credits

		Analytical Physics I (with lab) and Analytical Physics II (with lab)	
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### ADVISING NOTES

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

As an interdisciplinary major, the Cell Biology, Molecular Biology, and Biomedical Major does not require a minor. Biology and Chemistry minors may not be earned with this major.