

## BACHELOR'S DEGREE PROGRAM INFORMATION

Institution	<b>Saginaw Valley State University</b>
Degree/Program	<b>Ecology, Evolution and Organismal Biology Major (B.S.)</b>
Credits Required	<b>120 credits (38 foundation credits – 38 required credits – minimum of 12 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	Intro to Cell and Molecular Biology	3 credits
	BIOL*182L	Cell and Molecular Biology Lab	1 credit
Organismal Biology	BIOL*181	Intro to Ecology, Evolution, Diversity/Ecology, Evolution, Diversity Lab	3 credits
	BIOL*181L		1 credit
General Chemistry I	CHEM*111	General Chemistry I Lecture	4 credits
	CHEM*111L	General Chemistry I Lab	1 credit
General Chemistry II	CHEM*112	General Chemistry II Lecture	4 credits
	CHEM*112L	General Chemistry II Lab	1 credit
Organic Chemistry I	CHEM*230	Organic Chemistry I Lecture	4 credits
	CHEM*231	Organic Chemistry I Lab	1 credit
Organic Chemistry II	N/A	N/A	N/A

## 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 *See note below*	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	General Physics I (with lab)	4 credits
	PHYS*111L		1 credit
General Education Category 4 and Program Requirement	PHYS*106A <b>OR</b> PHYS*112	Earth & Space Science: Physical Geology <b>OR</b> General Physics II	4 credits

General Education Category 8 <b>OR</b> General Education Category 6 and Program Requirement	GEOG*201 <b>OR</b> GEOG*202	World Cultural/Regional Geography <b>OR</b> North America Regional Geography	
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## ADVISING NOTES

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

\*See Department Chair for possible course petition regarding MATH\*132B

The Ecology, Evolution, and Organismal Biology Major is 1 of 3 majors offered in the Biology Department. The Ecology, Evolution, and Organismal Biology Major is designed for, but not limited to students who have an interest in organisms as a fundamental unit; their anatomies, evolutionary histories, and diversities; how they interact with each other and respond to habitat changes. In conjunction with foundational knowledge of biological principles, graduates of this major should be better prepared for careers that involve field work, species identifications, and applying ecological principles to issues of conservation, restoration, and biotic assessment.

A minor is required. Biology minors may not be earned with this major.

Required electives must include at least one (1) course from each of the following categories: Ecology, Evolution, Organismal. At least one (1) course must contain a field experience as denoted by "F" from any category.

Only one (1) credit from BIOL 494 or BIOL 495 may be applied to required elective credits. The following courses cannot be used towards the required electives in the major: BIOL 390, BIOL 393, BIOL 491, BIOL 498, BIOL 499.

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