

## North Central Michigan College Transfer Guide

The Bachelor of Science in Biology (Pre-Veterinary Medicine) is designed to prepare students for admission into professional programs in veterinary medicine. Completion of the program will ensure that the minimum admission requirements for the College of Veterinary Medicine at Michigan State University are met. Students must also complete a minimum number of hours of documented observational or work experience under the supervision of a veterinarian. Requirements for other schools of veterinary medicine may vary.

The requirements of the Pre-Veterinary Medicine program are based on the general requirements of the Bachelor of Science in Biology, specifically adjusted for pre-veterinary medicine students. Coursework in anatomy and physiology, microbiology and immunology, genetics, cell biology, nutrition, inorganic and organic chemistry, biochemistry, and physics prepares students for the Graduate Record Examination (GRE) or for the Veterinary College Admission Test (VCAT), depending on requirements of the veterinary schools to which they are applying, and for future success in the field of veterinary medicine.

### General Admission Criteria

Transfer students must have at least 12 credits at the time of application with a minimum 2.0 overall GPA including an English and mathematics course, or they must provide their high school records and ACT /SAT scores for admission review.

Official transcripts from all accredited colleges/universities must be submitted with the Ferris application.

### Course Requirements

#### North Central Michigan College

Course	Ferris Equiv.	Ferris Course Title	Cr. Hrs.
ENG 111	ENGL 150	English 1	3
ENG 112	ENGL 250	English 2	3
COM 111	COMM 121	Fundamentals of Public Speaking	3
MATH 150	MATH 220	Analytical Geometry-Calculus 1	5
BIO 151	BIOL 121	General Biology 1	8
<b>and</b>	<b>and</b>	<b>and</b>	
BIO 152	BIOL 122	General Biology 2	
CEM 121	CHEM 121	General Chemistry 1	5
CEM 122	CHEM 122	General Chemistry 2	5
CEM 231	CHEM 321	Organic Chemistry 1	5
CEM 232	CHEM 322	Organic Chemistry 2	5
PHY 210	PHYS 211	Introductory Physics 1	4
PHY 211	PHYS 212	Introductory Physics 2	4
<i>NCMC</i>	<i>VARIES</i>	Cultural Enrichment Electives (one must be at FSU 200+ level)	9
<i>NCMC</i>	<i>VARIES</i>	Social Awareness Electives (one must be FSU 200+ level) (must come from 2 different subject areas)	9

*Students transferring to Ferris with the Michigan Transfer Agreement (MTA) and entering a degree program will have met a 30-hour block of lower-level general education courses. However, this does not exempt students from completing program specific prerequisites or higher-level general education course requirements. Students should contact their advisor regarding classes that meet the MTA.*

#### Ferris State University

Course	Ferris Course Title	Cr. Hrs.
ENGL 311	Advanced Technical Writing	3
<b>or</b>	<b>or</b>	
ENGL 321	Advanced Composition	
<b>or</b>	<b>or</b>	
ENGL 323	Proposal Writing	
<i>FSU</i>	Biology Elective (see FSU advisor)	3
BIOL 321	Human Anatomy and Physiology 1	8
<b>and</b>	<b>and</b>	
BIOL 322	Human Anatomy and Physiology 2	
BIOL 310	Nutrition	3
BIOL 346	Ecological Assessment	3
<b>or</b>	<b>or</b>	
BIOL 347	Environmental Conservation	
<b>or</b>	<b>or</b>	
BIOL 442	Ecology	
BIOL 386	Microbiology	5
BIOL 373	Cell Biology	3
BIOL 375	Principles of Genetics	3
BIOL 460	Current Topics in Biology	2
CHEM 364	Biochemistry	4
<i>FSU</i>	Application Area (see advisor)	5

**Credits Required for Degree 121**

### Contact Information

**Big Rapids Campus**

**College of Arts & Sciences**

<http://www.ferris.edu/HTMLS/colleges/>

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[www.ferris.edu/transferservices](http://www.ferris.edu/transferservices)

## Delivery Locations

This degree and the Ferris courses are offered at the following locations:

- Ferris State University, Big Rapids Campus, Big Rapids MI
- Select courses may be delivered online and/or in a mixed delivery format (i.e. a mix of online and face-to-face instruction at the Ferris Main Campus or at an off-campus location)

## Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation. Orientation for incoming freshmen is a one-day session that occurs on campus and includes class registration. Eligible transfer students have the option of completing an online orientation or attending an on campus session.

## Advising Notes

It is recommended that potential students meet with an advisor to review the degree, course schedule, and have any questions answered prior to completing an application. **Students who are completing the MTA may have different general education course requirements for the particular degree selected. Meeting with a Ferris advisor prior to the selection of any electives or general education classes shown above could reduce the chance of completing a course that will not apply toward the selected degree.**

Once admitted, students must continue to meet with an advisor as they work towards graduation.

## Online Learning

Orientation is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in FerrisConnect skills. This may be done by taking a tutorial and quiz, or, for students who have already taken and passed online courses, they can submit a waiver request. Students should check with the department that offers the class to determine its particular needs and/or the Ferris advisor regarding registration for online course work.

## Michigan Transfer Agreement (MTA)

Ferris participates in the Michigan Transfer Agreement (MTA). This agreement will facilitate the transfer of general education requirements from one Michigan institution to another. Students may complete the MTA as part of a degree program or as a stand-alone package. The MTA consists of a minimum of 30 general education credit hours as identified by the college or university.

## Disclaimer

*This is a guide for students who plan to transfer to Ferris State University. This guide is not intended to be a contract with Ferris. The information on this guide is subject to change. Students should contact their community college or Ferris to keep informed of changes. Final responsibility for verifying all transfer information lies with the student. Please refer to the effective and/or revised date on the bottom of the guide.*