

Lansing Community College Transfer Guide

The Bachelor of Science in Biology (Pre-Optometry) is designed to prepare students for admission into professional programs in optometry. The requirements of the Pre-Optometry program are based on the general requirements of the Bachelor of Science in Biology, specifically adjusted for pre-optometry students. Coursework in human anatomy and physiology, microbiology, genetics, developmental biology, cell biology, inorganic and organic chemistry, biochemistry, and physics prepares students for the Optometry Admission Test (OAT) and for future success in the field.

The Pre-Optometry program stresses a foundation of chemistry, biology, physics and mathematics to meet the requirements of the Michigan College of Optometry at Ferris State University. The Michigan College of Optometry (MCO) prefers to accept applicants who have completed a bachelor's degree. However, MCO does accept applications from candidates who have not earned a bachelor's degree but have completed the minimum admissions requirements, which are indicated on the program checksheet. Admissions requirements for other schools of optometry may vary, and the pre-optometry program can be modified for individual students to ensure that those requirements are met. Superior academic preparation and awareness of optometry as a profession are important factors in admission to any school of optometry.

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

Lansing Community College

Course	Ferris Equiv.	Ferris Course Title	Cr. Hrs.
WRIT 121	ENGL 150	English 1	3
WRIT 122	ENGL 250	English 2	3
SPCH 130	COMM 121	Fundamentals of Public Speaking	3
PSYC 200	PSYC 150	Introduction to Psychology	3
MATH 151	MATH 220	Analytical Geometry-Calculus 1	4
MATH 170	MATH 251	Statistics for the Life Sciences	3
BIOL 127	BIOL 121	General Biology 1	8
and BIOL 128	and BIOL 122	and General Biology 2	
BIOL 201	BIOL 205	Human Anatomy & Physiology	5
and BIOL 202			
BIOL 203	BIOL 286	Microbiology	3
and BIOL 204			
CHEM 151	CHEM 121	General Chemistry 1	5
and CHEM 161			
CHEM 152	CHEM 122	General Chemistry 2	4
and CHEM 162			
CHEM 251	CHEM 321	Organic Chemistry 1	10
and CHEM 252	and CHEM 322	and Organic Chemistry 2	
and CHEM 272			
PHYS 221	PHYS 211	Introductory Physics 1	4
PHYS 222	PHYS 212	Introductory Physics 2	4
Lansing CC	VARIES	Cultural Enrichment Electives (one must be at FSU 200+ level)	9
Lansing CC	VARIES	Social Awareness Electives (one must be FSU 200+ level)	9

Ferris State University

Course	Ferris Course Title	Cr. Hrs.
ENGL 311	Advanced Technical Writing	3
or ENGL 321	or Advanced Composition	
or ENGL 323	or Proposal Writing	
FSU	Biology Elective (see FSU advisor)	6
BIOL 346	Ecological Assessment	3
or BIOL 347	or Environmental Conservation	
or BIOL 442	or Ecology	
BIOL 370	Developmental Biology	4
BIOL 373	Cell Biology	3
BIOL 375	Principles of Genetics	3
BIOL 460	Current Topics in Biology	2
CHEM 324	Fundamentals of Biochemistry	3-4
or CHEM 364	or Biochemistry	

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

(must come from 2 different
subject areas)

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.

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.