

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

To be admitted to this degree program, students must have completed at least 12 credits at the time of application with a minimum 2.5 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

Mid Michigan College				Ferris State University		
Course	Ferris Equiv.	Ferris Course Title	Cr. Hrs.	Course	Ferris Course Title	Cr. Hrs.
ENG 111	ENGL 150	English 1	3	ENGL 311 or	Advanced Technical Writing	3
ENG 222	ENGL 250	English 2	3	ENGL 321	or	
SPE 257	COMM 121	Fundamentals of Public Speaking	3	or	Advanced Composition	
PSY 101	PSYC 150	Introduction to Psychology	3	ENGL 323	or	
MAT 126	MATH 220	Analytical Geometry-Calculus 1	4		Proposal Writing	
MAT 212	MATH 251	Statistics for the Life Sciences	3	FSU	Biology Elective (see FSU advisor)	6
BIO 101	BIOL 121	General Biology 1	8	BIOL 346	Ecological Assessment	3
and	and	and		or	or	
BIO 201	BIOL 122	General Biology 2		BIOL 347	Environmental Conservation	
and				or	or	
BIO 203				BIOL 442	Ecology	
BIO 141	BIOL 205	Human Anatomy & Physiology	5	BIOL 370	Developmental Biology	4
and				BIOL 373	Cell Biology	3
BIO 142				BIOL 375	Principles of Genetics	3
BIO 210	BIOL 286	Microbiology	3	BIOL 460	Current Topics in Biology	2
CHM 111	CHEM 121	General Chemistry 1	4	CHEM 324	Fundamentals of Biochemistry	3-4
CHM 112	CHEM 122	General Chemistry 2	4	or	or	
CHM 241	CHEM 321	Organic Chemistry 1	5	CHEM 364	Biochemistry	
CHM 242	CHEM 322	Organic Chemistry 2	5			
PHY 105	PHYS 211	Introductory Physics 1	4			
PHY 106	PHYS 212	Introductory Physics 2	4			
Mid Michigan CC	VARIES	FSU General Education – Culture Electives (one must be at FSU 200+ level)	9			
Mid Michigan CC	VARIES	FSU General Education – Self and Society Electives (one must be FSU 200+ level) (must come from 2 different subject areas)	9			

Credits Required for Degree 121

Program Offered at:
Main Campus, Big Rapids
College of Arts & Sciences
<http://www.ferris.edu/HTMLS/colleges/>

Please refer to FSU's General Education Requirements at:
<http://www.ferris.edu/htmls/academics/gened/index.htm>

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.

Students are encouraged to work with their Ferris advisor for selection of any electives, to ensure transferability and to minimize credits taken.

Effective Fall 2017

Ferris State University is an equal opportunity institution. For information on the University's Policy on Non-Discrimination, visit ferris.edu/non-discrimination.

www.ferris.edu/transfer

Advising Notes

It is recommended that potential applicants 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 general education or elective course work may 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 toward graduation.

Transfer Student Orientation

All new students to Ferris State University are required to complete an orientation.

Online Learning

Select courses 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). The "Online Readiness Tutorial" is required for students who register for an online *course* or are completing an online *degree*. Students must demonstrate competency in Blackboard 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.

Reverse Transfer Agreement

The Community College and Ferris have entered into a partnership in order to work collaboratively and creatively to increase student completion of associate and bachelor degrees. The partners work together to provide a seamless transfer experience and increase student retention and completion at both the community college and Ferris.

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.