

## Mid Michigan College Transfer Guide

The Bachelor of Arts (BA) degree in Biochemistry at Ferris provides a core of chemistry courses that includes organic, inorganic, physical chemistry, and biochemistry. These courses take the student through the atomic and molecular nature of matter and ultimately focus on the behaviors of matter in living systems. The chemistry is supported by solid coursework in mathematics, physics and biology. It stresses breadth with fewer required chemistry courses than a Bachelor of Science degree but good scientists also need to be exposed to the arts, the social sciences, and humanities. Biochemistry students should have a particular interest in and aptitude for science, especially as it pertains to living systems, and a desire to explore the connections with other fields of knowledge. Advanced students may participate in independent study and undergraduate research projects.

### General Admission Criteria

To be admitted to this degree program, transfer students with fewer than 12 transferable credits at the time of application, must meet the current freshman admission criteria. The application will be considered for admission based upon the high school academic record. Transfer students with 12 or more transferable credits at the time of application (including both English and Algebra) must have a minimum GPA of 2.0 ("C" or better on 4.0 scale). Students without an English and Algebra Class will be required to submit an ACT/SAT score. 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	Advanced Technical Writing	3
ENG 222	ENGL 250	English 2	3	or	or	
SPE 261	COMM 105	Interpersonal Communication	3	ENGL 321	Advanced Composition	
or	or	or		ENGL 323	Proposal Writing	
SPE 257	COMM 121	Fundamentals of Public Speaking		or	or	
or	or	or		ENGL 325	Advanced Business Writing	
SPE 253	COMM 221	Small Group Decision Making		FSU	Communication Elective (not from the general education list)	3
BIO 101	BIOL 121	General Biology 1	8	FSU	Foreign Language 101	
and	and	and		FSU	Foreign Language 102	
BIO 201	BIOL 122	General Biology 2		FSU	Foreign Language 201	
and				FSU	Academic Minor (see FSU advisor)	18-24
BIO 203				FSU	Electives to meet 120 total credits	
CHM 111	CHEM 121	General Chemistry 1	5	BIOL 375	Principles of Genetics	3
CHM 112	CHEM 122	General Chemistry 2	5	CHEM 332	Biochemistry Lab 1	2
CHM 241	CHEM 321	Organic Chemistry 1	5	CHEM 333	Biochemistry Lab 2	2
CHM 242	CHEM 322	Organic Chemistry 2	5	CHEM 364	Biochemistry	4
MAT 126	MATH 220	Analytical Geometry-Calculus 1	4	CHEM 451	Introduction to Physical Chemistry	4
PHY 105	PHYS 211	Introductory Physics 1	4	CHEM 474	Advanced Biochemistry	3
and	and	and		<b>Total Ferris Credits</b>		<b>42-48</b>
PHY 106	PHYS 212	Introductory Physics 2	4	<b>Credits Required for Degree</b>		<b>120</b>
OR	OR	OR				
PHY 211	PHYS 241	General Physics 1	5			
and	and	and				
PHY 212	PHYS 242	General Physics 2	5			
Mid Michigan CC	VARIES	FSU General Education - Culture Electives (one must be 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			
<b>Total Mid Michigan College Credits</b>			<b>67-68</b>			

**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.

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](http://www.ferris.edu/non-discrimination).

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

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

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

**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.