

## Grand Rapids Community College Transfer Guide

The Bachelor of Science in Biology (Environmental Biology) is designed to prepare students for entry into the work force or admission into graduate programs in the fields of environmental biology, ecology, and organismal biology. The requirements of the Environmental Biology program are based on the general requirements of the Bachelor of Science in Biology. Specific courses such as Microbial Ecology, Zoology, Plants and Fungi, Plant Physiology, Physical Geology, and Fundamentals of Geographic Information Systems are prescribed to fulfill the requirements of the degree and to best prepare students for future work in the field. The completion of an internship is required.

### 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 2.0 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

Grand Rapids Community College				Ferris State University		
Course	Ferris Equiv.	Ferris Course Title	Cr. Hrs.	Course	Ferris Course Title	Cr. Hrs.
EN 100	ENGL 150	English 1	3	BIOL 218	Microbial Ecology	3
<b>or</b>				BIOL 330	Zoology	4
EN 101				BIOL 350	Plants and Fungi	4
EN 102	ENGL 250	English 2	3	BIOL 340	See FSU advisor	3
EN 249	ENGL 311	Advanced Technical Writing	3	<b>or</b>		
COM 131	COMM 121	Fundamentals of Public Speaking	3	BIOL 345		
MA 131	MATH 130	Advanced Algebra/Analytical Trigonometry	4	BIOL 343	See FSU advisor	3
				<b>or</b>		
MA 215	MATH 251	Statistics for the Life Sciences	3	BIOL 344		
BI 151	BIOL 121	General Biology 1	8	<b>or</b>		
<b>and</b>	<b>and</b>	<b>and</b>		BIOL 348		
BI 152**	BIOL 122	General Biology 2		BIOL 375	Principles of Genetics	3
CHM 130	CHEM 121	General Chemistry 1	5	BIOL 346	Ecological Assessment	3
<b>and</b>				<b>or</b>		
CHM 131				BIOL 347	Environmental Conservation	
CHM 140	CHEM 122	General Chemistry 2	5	<b>or</b>		
<b>and</b>				BIOL 442	Ecology	
CHM 141				BIOL 453	Plant Physiology	4
CHM 260	CHEM 321	Organic Chemistry 1	5	BIOL 460	Current Topics in Biology	2
<b>and</b>				BIOL 492	Internship	1-6
CHM 261				GISC 225	Principles of GIS	3
CHM 270	CHEM 322	Organic Chemistry 2	5	<b>or</b>		
<b>and</b>				GEOG 311	Social Aspects of GIS	
CHM 271						
CHM 250	CHEM 324	Fundamentals of Biochemistry	3			
PH 125	PHYS 211	Introductory Physics 1	4			
PH 126	PHYS 212	Introductory Physics 2	4			
GL 101	GEOL 121	Physical Geology	4			
GRCC	VARIABLES	Cultural Enrichment Electives (one must be at FSU 200+ level)	9			
GRCC	VARIABLES	Social Awareness Electives (one must be FSU 200+ level) (must come from 2 different subject areas)	9			

**Credits Required for Degree 121**

### Contact Information

**Big Rapids Campus**

**College of Arts & Sciences**

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

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(231) 591-2555 or wino2@ferris.edu

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

*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 must take the entire sequence at the Community College or take the entire sequence at Ferris State University in order to earn course credit.**

## **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.*