

## Henry Ford Community College Transfer Guide

The Bachelor of Science in Biology (Pre-Physical Therapy) is designed to prepare students for admission to each of the six professional physical therapy programs in Michigan. These programs generally take three to four years to complete, at which time a Doctor of Physical Therapy degree is obtained. Candidates for admission into a professional physical therapy program must obtain high grades in their preparatory coursework, and they must also complete a minimum number of hours of documented observational or work experience in a physical therapy setting.

The requirements of the Pre-Physical Therapy program are based on the general requirements of the Bachelor of Science in Biology, specifically adjusted for pre-physical therapy students. Coursework in anatomy and physiology, genetics, pathophysiology, exercise physiology, inorganic and inorganic chemistry, biochemistry, physics, psychology, and sociology prepares students for admission into professional programs and for future success in the field.

### 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

#### Henry Ford Community College

Course	Ferris Equiv.	Ferris Course Title	Cr. Hrs.
ENG 131	ENGL 150	English 1	3
ENG 132	ENGL 250	English 2	3
SPC 131	COMM 121	Fundamentals of Public Speaking	3
MATH 140	MATH 251	Stats for the Life Sciences	3
MATH 175	MATH 130	Advanced Algebra/Analytical Trigonometry	4
BIO 141 <b>and</b> BIO 143** <b>OR</b> BIO 150 <b>and</b> BIO 152**	BIOL 121 <b>and</b> BIOL 122	General Biology 1 <b>and</b> General Biology 2	8
CHEM 141	CHEM 121	General Chemistry 1	5
CHEM 142	CHEM 122	General Chemistry 2	5
CHEM 241 <b>and</b> CHEM 243	CHEM 321	Organic Chemistry 1	5
CHEM 242 <b>and</b> CHEM 244	CHEM 322	Organic Chemistry 2	5
PHYS 131	PHYS 211	Introductory Physics 1	4
PHYS 132	PHYS 212	Introductory Physics 2	4
Henry Ford	VARIES	Cultural Enrichment Electives (one must be at FSU 200+ level)	9
Henry Ford	VARIES	Social Awareness Electives (one must be FSU 200+ level) (must come from 2 different subject areas)	9

#### 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	
<b>or</b>	<b>or</b>	
ENGL 325	Advanced Business Writing	
BIOL 286	Microbiology	3
BIOL 300	Pathophysiology	3
BIOL 301	Exercise Physiology	4
BIOL 321	Human Anatomy and Physiology 1	8
<b>and</b>	<b>and</b>	
BIOL 322	Human Anatomy and Physiology 2	
BIOL 346	Ecological Assessment	3
<b>or</b>	<b>or</b>	
BIOL 347	Environmental Conservation	
<b>or</b>	<b>or</b>	
BIOL 442	Ecology	
FSU	Biology Elective (see FSU advisor)	3
BIOL 460	Current Topics in Biology	2
CHEM 324	Fundamentals of Biochemistry	3-4
<b>or</b>	<b>or</b>	
CHEM 364	Biochemistry	
FSU	Biology Application Area (see FSU advisor)	5

<b>Credits Required for Degree</b>	<b>121</b>
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*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 entire sequence at the Community College or take the entire sequence at Ferris State University in order to earn course credit.

**Contact Information**  
**Big Rapids Campus**  
**College of Arts & Sciences**  
<http://www.ferris.edu/HTMLS/colleges/>  
Jenice Winowiecki, Biology Advisor  
(231) 591-2555 or wino2@ferris.edu  
[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.*