

Biology/Pre-Physical Therapy Concentration • Bachelor of Science

Why Choose Pre-Physical Therapy?

The Pre-Physical Therapy program has been developed to prepare students for admission to the six professional Physical Therapy programs in Michigan. These programs are generally three years long and award a bachelor's degree after one year and a master's degree after three years. The successful candidate not only has excellent grades in preparatory course work, but also has several hundred hours of documented observational or work experience in a physical therapy setting.

The Pre-Physical Therapy program takes about three years to complete and can lead to an associate in science degree. Proper course selection during the optional fourth year can lead to a bachelor of science degree in Biology.

Get a Great Job

Physical therapists are in high demand and play a key role in helping patients gain mobility and strength after surgery or accident trauma. The future for physical therapists is very bright. With people living longer, joint replacement surgery has become very common and with it the need for compassionate and well-trained physical therapists.

Admission Requirements

First year student admission is open to high school graduates (or equivalent) who demonstrate academic preparedness, maturity and seriousness of purpose with educational backgrounds appropriate to their chosen program of study. High school courses and grade point average, ACT composite score, and ACT reading and mathematics subscores will be considered in the admission and placement process. 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 scores for admission review.

Graduation Requirements

The Pre-Physical Therapy program at Ferris leads to a Bachelor of Science degree. Graduation requires a minimum 2.0 GPA overall and a minimum of 121 credits including completion of all general education requirements as outlined on the General Education website. No grade lower than a 'C-' is acceptable in courses that apply to the major, supporting sciences, and application area of the program. At least 50% of the semester credits applying toward the Biology major must be completed at FSU with a minimum of 30 FSU credits overall.

Required Courses

Credit Hours

General Education

This degree requires completion of the General Education requirements for a Bachelor of Science degree. Details of these requirements are delineated on the General Education website. Courses listed below as program/major required courses with the indicators: C, S, Z, R, G, may also be used to satisfy some of these general education requirements.

Required Courses or Program:

Biology classes

BIOL 121	General Biology 1	4
BIOL 122	General Biology 2	4
BIOL 286	General Microbiology	3
BIOL 300	Pathophysiology	3
BIOL 321	Human Physiology-Anatomy 1	4
BIOL 322	Human Physiology-Anatomy 2	4
BIOL 375	Principles of Genetics	3
BIOL 460	Current Topics in BIOL	2
	Biology Electives 300 or higher	6

Choose 1 of the following 2 Ecology classes:

BIOL 346	Ecological Assessment	3
BIOL 347	Environmental Conservation	3
BIOL 442	Ecology	3

Supporting Sciences

MATH 130	Adv Algebra-Analytical Trig	4
CHEM 121	General Chemistry 1	5
CHEM 122	General Chemistry 2	5
CHEM 214	Fund of Organic Chemistry	4
CHEM 324	Fund of Biochemistry	3
PHYS 211	Introductory Physics 1	4
PHYS 212	Introductory Physics 2	4

Biology Application Area

MATH 251	Stats for the Life Sciences	3
EDPE 338	Biomechanics	3
RMLS 122	Responding to Emergencies	2

Additional Program Requirements

	Computer competence (consult advisor)	
COMM 121	Fundamentals-Public Speaking	3
	Electives to a credit total of 121 (consult advisor)	18

The following courses are recommended to help fulfill general education requirements (consult advisor)

PSYC 150	Introduction to Psychology	3
PHIL 320	Biomedical Ethics	3
PSYC 226	Lifespan of Human Development	3
PSYC 422	Abnormal Psychology	3
SOCY 121	Introductory Sociology	3



More Information

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