

Biology/Pre-Medicine Concentration • Bachelor of Science

Why Choose Pre-Medicine?

The Pre-Medicine program provides a quality bachelor's degree in biology. Completion of this degree with the recommended courses enhances a student's application to medical school. Students who don't wish to enter medical school can consult with their advisor for alternate career paths.

Get Accepted to Medical School

Being accepted to medical school doesn't come easily. It requires effort, time and careful preparation. To ensure success for our students, Ferris offers a helping hand into medical school. To help students make the best choices for their professional goals, advisors from the Ferris Pre-Medicine advisory committee work closely with students throughout their four years of study. They help with course selection and development of social, personal and professional maturity. They also work with students to match abilities with interests to find the student's most appropriate health-related career path. Furthermore, the low student-faculty ratio at Ferris means that most basic science labs are taught by the science professors themselves.

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-Medicine 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 321	Human Physiology-Anatomy 1	4
BIOL 322	Human Physiology-Anatomy 2	4
BIOL 370	Developmental Biology	4
BIOL 375	Principles of Genetics	3
BIOL 386	Microbiology and Immunology	5
BIOL 460	Current Topics in BIOL	2
	Biology Elective 300 or higher	3

Choose 1 of the following 2 Ecology classes:

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

Supporting Sciences

Choose one of the following 2 Math courses:

MATH 130	Adv Algebra-Analytical Trig	4
MATH 230	Analytical Geometry-Calculus 2	5
CHEM 121	General Chemistry 1	5
CHEM 122	General Chemistry 2	5
CHEM 321	Organic Chemistry 1	5
CHEM 322	Organic Chemistry 2	5

Choose 1 of the following 2 biochemistry classes:

CHEM 364	Biochemistry	4
PHCH 320	Medical Biochemistry	5

Choose 1 of the following 2-course Physics sequences:

PHYS 211	Introductory Physics 1	4
PHYS 212	Introductory Physics 2	4
Or		
PHYS 241	General Physics 1	5
PHYS 242	General Physics 2	5

Additional Program Requirements

Application area: additional biology related credits (consult advisor) 5

Computer competence (consult advisor)

COMM 121 Fundamentals-Public Speaking 3

Electives to a credit total of: 121 credits (consult advisor) 10 - 14



More Information

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FERRIS STATE UNIVERSITY

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