

Pre-Medical and Pre-Veterinary Track

Degree Type

Pre-Professional Track

Students wishing to pursue medical or veterinary school are required to take a number of courses, and most of these courses are found in the college's biology major. However, students can have any major in addition to the pre-med and pre-vet tracks. The science faculty can offer advice and assistance to students interested in these as well as other health-related professional schools including dentistry, optometry, physician's assistant, doctor of podiatry and doctor of osteopathy.

Interested students should meet with a science faculty member to discuss career planning and admission requirements. In addition, practitioners and school representatives are often invited to campus to assist students in their plans for the future.

The following are the core prerequisite courses required by most schools:

- Biology, at least two semesters (one semester should include BIO 106)
- General chemistry and organic chemistry two semesters each (CHE 101, 102, 307, 308)
- Biochemistry one semester (BIO 304)
- Calculus and/or statistics at least one semester (MAT 220 and/or 221)
- Physics two semesters (PHY 101, 102)

Many schools have specific requirements for upper-level biology courses such as genetics, microbiology and cell biology, and additional subjects may include writing, psychology or sociology. In addition, pre-medical students need to consider biology coursework that will aid in preparation for the Medical College Admissions Test (MCAT). It is strongly suggested (but not required) that pre-medical and pre-veterinary students consider the biology major.

Suggested registration for biology majors who are on the pre-medical or pre-veterinary track is listed below. The biology program coordinator can discuss the variations in prerequisite coursework and can help students plan accordingly.

Suggested Registration Sequence

*It is recommended that students without a strong science or mathematics background (two years of high school algebra) consider mathematics preparation (MAT206) prior to the chemistry and math sequence. Students can then enroll in chemistry 101/102 second year, organic chemistry third year and biochemistry and physics during their final year. Students are encouraged to contact their advisor for assistance.

First Year - Fall

Item #	Title	Credits
	BIO 107 or BIO 106	4
CHE 101	Principles of Chemistry I (+lab)	4.0
WRT 101	Introduction to Academic Writing	4.0
FYE 101	Wesson Honors First-Year Experience	4.0

First Year - Spring

Item #	Title	Credits
	BIO 107 or BIO 106	4
CHE 102	Principles of Chemistry II (+lab)	4.0
PSY 101	Introduction to Psychology	4.0
	Liberal Education Core Course, Elective or Major Requirement	4

Sophomore Year - Fall

Item #	Title	Credits
	BIO 200-level or 300-level	4
	MAT 220 or 221	4
CHE 307	Organic Chemistry I (+lab)	4.0
	Liberal Education Core Course, Elective or Major Requirement	4

Sophomore Year - Spring

Item #	Title	Credits
	BIO 200-level or 300-level	4
	MAT 220 or 221	4
CHE 308	Organic Chemistry II (+lab)	4.0
	Liberal Education Core Course, Elective or Major Requirement	4

Junior Year - Fall (possible study abroad)

Item #	Title	Credits
BIO 304	Biochemistry (+lab)	4.0
	Liberal Education Core Course, Elective or Major Requirement	4
PHY 101	Introduction to Physics I (+lab)	4.0

Junior Year - Spring

Item #	Title	Credits
	BIO 200-level to 400-level	4
	Liberal Education Core Course, Elective or Major Requirement	4
	Liberal Education Core Course, Elective or Major Requirement	4
PHY 102	Introduction to Physics II (+lab)	4.0

Senior Year - Fall

Item #	Title	Credits
	BIO 200-level to 400-level	4
	Liberal Education Core Course, Elective or Major Requirement	4
	Liberal Education Core Course, Elective or Major Requirement	4
	Liberal Education Core Course, Elective or Major Requirement	4

Senior Year - Spring

Item #	Title	Credits
	BIO 200-level to 400-level	4
	Liberal Education Core Course, Elective or Major Requirement	4
	Liberal Education Core Course, Elective or Major Requirement	4
	Liberal Education Core Course, Elective or Major Requirement	4