

Pre-Veterinary Concentration

Biology:

Professors: Cassia C. Oliveira and David Thomas

Associate Professors: Alexander Beeser and Maryline Jones

Assistant Professor: Eric South

Chemistry:

Associate Professor: Irosha Nawarathne

The Pre-Veterinary Concentration prepares students to take the Veterinary College Admission Test (VCAT) and/or Graduate Record Exam (GRE), and meet the admissions requirements for veterinary school. The concentration may be added to any major, but usually is coupled with the Biology Major. This curriculum is based upon the requirements for Louisiana State University and Kansas State University. Other schools may have additional requirements. Lyon College proficiency and common core courses (ENG 101 & 102, MTH 101, etc.) are not included here even though many schools list them as prerequisites. Some of these courses may have prerequisites not shown. Only one pre-health profession concentration may be declared.

NOTES

***Students may use BIO 110, CHM 110, PHY 210/211, PHY 240/241, PSY 235, SPN 101 and SPN 102 to satisfy Core requirements.**

Summary of Required Courses

Item #	Title	Credits
	BIO 110 & 112	8
BIO 250	Cell Biology	4
BIO 252	Genetics	4
BIO 350	Microbiology (OC)	4
	BIO 356 OR CHM 356	4
CHM 110	General Chemistry I (PS)	4
CHM 120	General Chemistry II (PS)	4
CHM 210	Organic Chemistry I	4
CHM 220	Organic Chemistry II (OC)	4
ENG 103	Oral Presentation	3
	Math (Beyond MTH 101)	3
	Physics I & Physics II	8
	Stats Electives (3 Credits)	3

Recommended Courses

Item #	Title	Credits
BIO 205	Biomedical Terminology	1
BIO 352	Molecular Biology	4
BIO 360	Comparative Physiology (OC/PS)	4
BIO 364	Developmental Biology	4
BIO 366	Histology (OC)	4
BIO 370	Evolution	4
SPN 101	Beginning Spanish I	3
SPN 102	Beginning Spanish II	3

BIO 110 & 112

Item #	Title	Credits
BIO 110	Principles of Biology I	4
BIO 112	Principles of Biology II	4

BIO 356 OR CHM 356

Item #	Title	Credits
BIO 356	Biochemistry	4
CHM 356	Biochemistry	4

Math (Beyond MTH 101)

One MTH elective beyond MTH 101

Physics I & Physics II

Item #	Title	Credits
	PHY 210/211 or PHY 240/241	4
	PHY 220/221 or PHY 250/251	4

Stats Electives (3 Credits)

Item #	Title	Credits
PSY 235	Statistics for the Behavioral Sciences (PS)	3
MTH 360	Probability and Statistics	3
BIO 300	Biostatistics	3