

Pre-Pharmacy 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-Pharmacy Concentration prepares students to take the Pharmacy College Admission Test (PCAT), and meet the admissions requirements for pharmacy school. The concentration may be added to any major, but usually is coupled with the Biology Major or the Chemistry Major. This curriculum is based upon the requirements of the University of Arkansas for Medical Sciences. 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, MTH 210, PHY 210/211, PHY 240/241, PSY 235, SPN 101 and SPN 102 to satisfy Core requirements.**

Summary of Requirements

Item #	Title	Credits
	Accounting or Economics Elective (3 Credits)	3
BIO 110	Principles of Biology I	4
BIO 112	Principles of Biology II	4
BIO 250	Cell Biology	4
CHM 110	General Chemistry I	4
CHM 120	General Chemistry II	4
MTH 210	Calculus I	4
CHM 210	Organic Chemistry I	4
CHM 220	Organic Chemistry II	4
	PHY 210/211 or PHY 240/241	4
	Math/Science Electives (10-12 Credits)	10-12
	Non-Science Electives (4 Courses)	12
	Stats Electives (3 Credits)	3

Recommended Courses

Item #	Title	Credits
BIO 205	Biomedical Terminology	1
BIO 310	Health Coaching	1
BIO 311	Health Coaching Practicum	1
BIO 360	Comparative Physiology	4
SPN 101	Beginning Spanish I	3
SPN 102	Beginning Spanish II	3
	BIO 356 OR CHM 356	4

Accounting or Economics Elective (3 Credits)

Item #	Title	Credits
ACC 210	Financial Accounting	3
ECO 101	Principles of Economics I	3

PHY 210/211 or PHY 240/241

Select either General Physics I or Fundamentals of Physics I.

Item #	Title	Credits
PHY 210	General Physics I	3
PHY 211	General Physics I Laboratory	1
PHY 240	Fundamentals of Physics I	3
PHY 241	Fundamentals of Physics I Laboratory	1

Math/Science Electives (10-12 Credits)

BIO252, BIO 356, BIO 360; CHM 224, CHM 356; MTH 220; PHY 220/221

Non-Science Electives (4 Courses)

ANT, ART, ECO, ENG, FGN, HIS, MUS, POL, RPH, PSY, THE

Stats Electives (3 Credits)

Item #	Title	Credits
PSY 235	Statistics for the Behavioral Sciences	3
MTH 360	Probability and Statistics	3

BIO 356 OR CHM 356

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