

Pre-Medical Concentration

Biology:

Associate Professor: Alexander Beeser

The Pre-Medical Concentration prepares students to take the Medical College Admission Test (MCAT), and meet the admissions requirements for medical school. The concentration may be added to any major, but usually is coupled with the Biology 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.

NOTE

***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 Requirements

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Item #	Title	Credits
BIO 110	Principles of Biology I	4
BIO 112	Principles of Biology II	4
BIO 250	Cell Biology	4
BIO 252	Genetics	4
	BIO 356 OR CHM 356	4
CHM 110	General Chemistry I	4
CHM 120	General Chemistry II	4
CHM 210	Organic Chemistry I	4
CHM 220	Organic Chemistry II	4
	Physics Electives (4 credits)	4
	Social Science/Humanities Electives (2 Courses)	6
	Stats Electives (3 Credits)	3

Recommended Courses

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Item #	Title	Credits
BIO 205	Biomedical Terminology	1
BIO 310	Health Coaching	1
BIO 311	Health Coaching Practicum	1
BIO 352	Molecular Biology	4
BIO 360	Comparative Physiology	4
BIO 366	Histology	4
SPN 101	Beginning Spanish I	3
SPN 102	Beginning Spanish II	3

BIO 356 OR CHM 356

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

Physics Electives (4 credits)

* Students may use General Physics I or Fundamentals of Physics I to satisfy core requirements.

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

Social Science/Humanities Electives (2 Courses)

ANT, ECO, PSY, RPH

Stats Electives (3 Credits)

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