

Pre-Medical 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-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

| 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 (PS) | 4 |
| CHM 120 | General Chemistry II (PS) | 4 |
| CHM 210 | Organic Chemistry I | 4 |
| CHM 220 | Organic Chemistry II (OC) | 4 |
| | Physics I & Physics II | 8 |
| | Social Science/Humanities Electives (2 Courses) | 6 |
| | 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 350 | Microbiology (OC) | 4 |
| BIO 352 | Molecular Biology | 4 |
| BIO 360 | Comparative Physiology (OC/PS) | 4 |
| BIO 364 | Developmental Biology | 4 |
| BIO 366 | Histology (OC) | 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 I & Physics II

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

Social Science/Humanities Electives (2 Courses)

ANT, ECO, PSY, RPH

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 |