

Pre-Optometry 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

Physics:

Associate Professor: Stuart Hutton

The Pre-Optometry Concentration prepares students to take the Optometry Admission Test (OAT), and meet the admissions requirements for optometry 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 on the requirements of Southern College of Optometry. 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 101, PSY 235, SPN 101 and SPN 102 to satisfy Core requirements.

* Molecular biology may be substituted for BIO 356 Biochemistry.

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 352	Molecular Biology	4
CHM 110	General Chemistry I	4
CHM 120	General Chemistry II	4
CHM 210	Organic Chemistry I	4
MTH 210	Calculus I	4
PSY 101	Introduction to Psychology	3
	Stats Electives (3 Credits)	3
	Social Science/Humanities Electives (6 Credits)	6
	Physics Electives (4 credits)	4

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
CHM 220	Organic Chemistry II	4
SPN 101	Beginning Spanish I	3
SPN 102	Beginning Spanish II	3

Stats Electives (3 Credits)

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

Social Science/Humanities Electives (6 Credits)

ANT, ECO, HIS, POL, RPH, PSY (beyond PSY 101)

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