

# Pre-Dental 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-Dental Concentration prepares students to take the Dental Admission Test (DAT), and meet the requirements for dental school admission. The concentration may be added to any major, but usually is coupled with the Biology Major. This curriculum is based upon the requirements for the University of Tennessee Health Science Center – Memphis. 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 professions concentration may be declared.

## NOTE

**\*Students may use BIO 110, CHM 110, PHY 210/211, PHY 240/241, 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 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

## Recommended Courses

Item #	Title	Credits
BIO 205	Biomedical Terminology	1
BIO 252	Genetics	4
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 110 & 112

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
BIO 110	Principles of Biology I	4
BIO 112	Principles of Biology II	4

## **BIO 356 OR CHM 356**

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
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.

<b>Item #</b>	<b>Title</b>	<b>Credits</b>
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