Pre-Medical Program

at Arcadia University

Global Perspective...Personal Attention...Real-World Integrative Learning Experiences

Advisers

Professor

Dr. Emanuele Curotto
Assistant Professor
Dr. Sheryl Smith

Related Fields of Study

Biology
Chemistry
Mathematics
Optometry
Post-Baccalaureate Certificate in the Health
Professions

About the Pre-Medical Program

Arcadia University offers many programs that satisfy the course requirements for admission to schools of medicine, dentistry, osteopathy, optometry, podiatry and other health-related fields. While pre-medical students usually major in Biology or Chemistry, medical schools will accept students with excellent records regardless of major, provided they have a solid foundation in the basic sciences and mathematics. The Pre-Health advisers assist students with the application process and choice of schools.

Recommended Courses:

The MCAT is currently being revised, with a planned release in 2015. The MCAT²⁰¹⁵ will have four sections:

- 1) Biological and Biochemical Foundations of Living Systems,
- 2) Chemical and Physical Foundations of Biological Systems,
- 3) Psychological, Social and Biological Foundations of Behavior, and
- 4) Critical Analysis and Reasoning Skills

The following courses are recommended to reflect these changes.

BI 101, 102 General Biology I, II
BI 211 Comparative Anatomy and
Physiology
or BI 205, 206 Human Anatomy,
Human Physiology

BI 340 or CH 303 Biochemistry

СН	101, 102	Modern Chemical Concepts I, II
	or CH 111,	112 Conceptual Chemistry I, II
СН	201, 202	Organic Chemistry I, II: Structure, Mechanisms and Reactions
PH	201, 202	Fundamental Concepts of Physics I, II
	or PH 211,	212 Conceptual Physics I. II
MA	141	Elementary Statistics
MA	201	Calculus I (Calculus is
		required by some, but not
		all, medical and
		professional schools.)
PΥ	111	Introduction to Psychology
SO	101	Introductory Sociology

Satisfactory performance on the Medical College Admissions Test (MCAT) is required. The MCAT normally is taken in the spring of the junior year or the summer prior to senior year for students planning to enter medical school immediately following graduation. In addition to the minimum science courses, a strong background in the liberal arts and social sciences is recommended, as is volunteer work or an internship in a medical setting. . Independent research is highly recommended in order to develop critical thinking and communication skills. Proficiency in the Spanish language, coursework in bioethics, and study abroad are all considered favorably by professional schools.

Other courses highly recommended as electives include:

Е	31	204	Genetics
Е	31	323	Microbiology
Е	31	335	Neurobiology
Е	31	325	Cell Biology
E	31	327	Histology
E	31	333	Molecular Biology
(CH	203	Equilibrium and Analysis
S	SP	240	Spanish for Medical
			Careers