Pre-Medical, Pre-Dentistry Programs

at Arcadia University

Global Perspectives…Personal Attention…Real-World Integrative Learning Experiences

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Related Fields of Study

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

About Pre-Medical and Pre-Dentistry Programs

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-Medical advisers assist students with the application process and choice of schools.

Minimum Recommended Courses

The minimum recommendation of the American Medical Association currently includes the following courses:

BI	101, 102	General Biology I, II
BI	211	Comparative Anatomy and Physiology
	or BI 205, 206	Human Anatomy, Human Physiology
CH	101, 102	Modern Chemical Concepts I, II
	or CH 111, 112	Conceptual Chemistry I, II
CH	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	201	Calculus I (Calculus is required by some, but not all, medical and professional schools.)

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. 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:

BI	204	Genetics
BI	317	Developmental Biology or
	BI 321	Human Genetics and Development
BI	325	Cell Biology
BI	327	Histology
BI	333	Molecular Biology
CH	203	Equilibrium and Analysis
CH	303	Biochemistry
	or BI 340	Biochemistry
SP	240	Spanish for Medical Careers