

PRE-MEDICINE CERTIFICATE REQUIREMENTS

Code	Title	Units
Certificate Requirements ^{1, 2, 3}		
BIOLOGY 142	INTRODUCTORY BIOLOGY II	5
CHEM 251	ORGANIC CHEMISTRY - I	3
CHEM 454	BIOCHEMISTRY OF MACROMOLECULES	3
or BIOLOGY 456	BIOCHEMISTRY OF METABOLISM AND SIGNALING	
or CHEM 456	BIOCHEMISTRY OF METABOLISM AND SIGNALING	
PHYSICS 141	PRINCIPLES OF PHYSICS II	5
or PHYSICS 181	PHYSICS FOR SCIENTISTS AND ENGINEERS II	
Select one of the following:		3
BIOLOGY 303	BIOSTATISTICS	
PSYCH 215	BASIC STATISTICAL METHODS	
STAT 230	INTRODUCTION TO STATISTICAL REASONING AND ANALYSIS	
The following courses may be required prerequisites for admission to medical school. Review admission requirements for the program(s) where you intend to apply.		
BIOLOGY 311	MICROBIOLOGY	
BIOLOGY 361 & BIOLOGY 362	HUMAN ANATOMY AND PHYSIOLOGY I and HUMAN ANATOMY AND PHYSIOLOGY II	
CHEM 252	ORGANIC CHEMISTRY - II	
CHEM 261	ORGANIC CHEMISTRY LABORATORY	
ENGLISH 370	ADVANCED COMPOSITION	
PHILSPHY 247	BIOETHICS	
or PHILSPHY 26	INTRODUCTION TO ETHICS	
PSYCH 211	INTRODUCTORY PSYCHOLOGY	
SOCIOLGY 240	PRINCIPLES OF SOCIOLOGY	
Total Units		19

¹ It is recommended that all courses be completed with a C or better. Medical schools may require a B or better and may also have a cumulative GPA requirement. There is no grade or GPA requirement to earn this certificate.

² This certificate does not encompass all possible pre-requisite courses for admission to medical (MD) school. Students are encouraged to proactively identify required prerequisite courses for admission to the schools where they intend to apply. Additionally, most medical schools require a standardized admission test such as the MCAT.

³ Completion of this certificate does not guarantee admission to medical school. Each medical school makes its own admissions decisions based upon its own requirements.