

# PRE-PHARMACY CERTIFICATE REQUIREMENTS

Code	Title	Units
<b>Certificate Requirements - 18 units</b>		
BIOLOGY 142	INTRODUCTORY BIOLOGY II	5
CHEM 252	ORGANIC CHEMISTRY - II	3
CHEM 261	ORGANIC CHEMISTRY LABORATORY	2
PHYSICS 140	PRINCIPLES OF PHYSICS I	5
or PHYSICS 180	PHYSICS FOR SCIENTISTS AND ENGINEERS I	
<b>Select one from:</b>		<b>3-4</b>
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 pharmacy school. Review admission requirements for the program(s) where you intend to apply.		
BIOLOGY 361	HUMAN ANATOMY AND PHYSIOLOGY I	
MATH 250	APPLIED CALCULUS SURVEY FOR BUSINESS AND SOCIAL SCIENCES	
or MATH 253	CALCULUS AND ANALYTIC GEOMETRY I	
BIOLOGY 251	INTRODUCTION TO GENETICS	
BIOLOGY 253	INTRODUCTION TO CELL BIOLOGY	
BIOLOGY 311	MICROBIOLOGY	
CHEM 262	ORGANIC CHEMISTRY LABORATORY - INTERMEDIATE	
<b>Total Units</b>		<b>18-19</b>

- <sup>1</sup> It is recommended that all courses be completed with a C or better. Pharmacy schools may have higher grade requirements and may also have a cumulative GPA requirement. There is no grade or GPA requirement to earn this certificate.
- <sup>2</sup> This certificate does not encompass all possible pre-requisite courses for admission to pharmacy school. Students are encouraged to proactively identify required prerequisite courses for admission to the schools where they intend to apply. Additionally, most pharmacy programs require a standardized admission test such as the PCAT.
- <sup>3</sup> Completion of this certificate does not guarantee admission to pharmacy school. Each pharmacy school makes its own admissions decisions based upon its own requirements.
- <sup>4</sup> Some pharmacy schools do not require an undergraduate degree. In these cases, students are encouraged to identify required prerequisite general education courses for admission to the schools where they intend to apply; ENGLISH 102, COMM 110, for example.