

# Premedical Studies, Postbaccalaureate Undergraduate Certificate (Boston)

If you already hold an undergraduate degree in a science discipline and are interested in pursuing a career in medicine, the **Postbaccalaureate in Premedical Studies** certificate may be ideal for you. Enabling you to enhance your existing academic record by completing **premedical courses**, this innovative program prepares you to successfully apply to a medical, dental, osteopathic, nursing, or other program to prepare for a career in a health professional field.

Designed for students who require all or most of the basic premedical courses, this program offers one-on-one advising, tutoring, success coaching, and other academic support services.

## Program Objectives

Designed to enhance and build on your previous academic record through additional premedical coursework, this postbaccalaureate certificate covers concepts in biology, chemistry, and physics. You will have the opportunity to tailor your learning experience by choosing from optional electives in human anatomy, microbiology, genetics, cell biology, immunology, endocrinology, biochemistry, statistics, emergency medical technician (EMT) basics, and calculus. As a result of your learning experience, you will be well equipped to apply to medical, dental, osteopathic, or a health professional school.

## Program Requirements

Complete all courses listed below unless otherwise indicated.

Students should check with the school(s) and programs of their choice to determine which courses they need to apply for admittance. Additional work in biology, the behavioral sciences, clinical experience, or research experience may be recommended by different schools.

## Required Courses

Code	Title	Hours
Complete at least eight of the following:		30-64
<b>Mathematics</b>		
MTH 2100	Calculus 1	
MTH 2105	Calculus 2	
MTH 2310	Statistics for the Behavioral and Social Sciences	
<b>Biology</b>		
BIO 1050	Medical Terminology	
BIO 1100 and BIO 1101	Principles of Biology 1 and Lab for BIO 1100	
BIO 1200 and BIO 1201	Principles of Biology 2 and Lab for BIO 1200	
BIO 2100 and BIO 2101	Microbiology and Lab for BIO 2100	
BIO 2300	Cell Biology	
BIO 2500 and BIO 2501	Genetics and Molecular Biology and Lab for BIO 2500	
BIO 3100 and BIO 3101	Biochemistry and Lab for BIO 3100	
BIO 1600 and BIO 1601	Human Anatomy and Physiology 1 and Lab for BIO 1600	
BIO 1700 and BIO 1701	Human Anatomy and Physiology 2 and Lab for BIO 1700	
BIO 4215	Human Parasitology	
<b>Chemistry</b>		
CHM 1100 and CHM 1101	General Chemistry 1 and Lab for CHM 1100	
CHM 1200 and CHM 1201	General Chemistry 2 and Lab for CHM 1200	
CHM 2110 and CHM 2111	Organic Chemistry 1 and Lab for CHM 2110	
CHM 2200 and CHM 2201	Organic Chemistry 2 and Lab for CHM 2200	

Physics	
PHY 1200 and PHY 1201	Physics 1 and Lab for PHY 1200
PHY 2200 and PHY 2201	Physics 2 and Lab for PHY 2200
Psychology	
PSY 1100	Foundations of Psychology
SOC 1100	Introduction to Sociology

Program Requirement

30–64 total semester hours required