

PRE-MEDICAL STUDIES, CERTIFICATE OF ACHIEVEMENT

Course	Title	Units
PHYS C120	Algebra Based Physics: Mechanics	
or PHYS C185	Calculus Based Physics: Mechanics	
Total Units		16-19

Banner Code: 3_CN_PMED
Financial Aid Eligible

This program prepares students for entry into healthcare professional programs or occupations in the medical field. Program coursework provides many of the science prerequisites for graduate programs in health professions such as nursing, physician assistant, pharmacy, physical therapy, occupational therapy, dental hygiene, radiology technology, dentist, and medical doctor.

Program Level Student Learning Outcomes

Upon completion of this program, students will be able to:

1. Find, select, and evaluate scientific information present in primary research literature, mass media, online, or other sources.
2. Communicate biological concepts effectively in written and/or oral forms.
3. Communicate chemical concepts effectively in written and/or oral forms.

Review Graduation Requirements (<https://catalog.cccd.edu/coastline/graduation-requirements/certificates/#achievementtext>).

Course	Title	Units
Required Core		
Complete the following:		
BIOL C220	Human Anatomy	5
BIOL C225	Human Physiology	4
Elective Courses		7-10
Complete 7-10 units from the following:		
BIOL C104	Medical Terminology for Health Professionals	
BIOL C109	Career Choices in Healthcare	
or HLTH C109	Career Choices in Healthcare	
BIOL C122	Bioethics	
or PHIL C122	Bioethics	
BIOL C180	Cell and Molecular Biology	
BIOL C200	Pharmacology	
BIOL C210	General Microbiology	
BIOL C226	Pathophysiology	
BIOL C281	Biochemistry	
or CHEM C281	Biochemistry	
BIOL C283	Genetics	
BIOL C296	Advanced Anatomical Dissection	
BIOL C297	Master Advanced Anatomical Dissection	
CHEM C110	Introduction to Chemistry	
or CHEM C180 & C180L	General Chemistry A and General Chemistry A Lab	