

# PRE-HEALTH SCIENCE, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 2\_CN\_PHS  
**Financial Aid Eligible**

The certificate program offers students the opportunity to complete science and lab courses which are required by most nursing and health-related degree programs.

This certificate focuses on providing students who want to apply to a nursing or health degree program with core science courses that are prerequisites for nursing, kinesiology, physical therapy or another career. This Pre-Health Science Certificate will prepare students to advance their career in the health care profession.

## Program Level Learning Outcomes

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

1. Name and identify the basic structures of the human body.
2. Describe and explain major and anatomical structures involved in organ system homeostasis.
3. Identify normal and abnormal physiological values.
4. Describe the role of microorganisms related to their role in disease.
5. Identify, evaluate, and select research material relevant to a well-defined topic and properly compile this material into a research paper.

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

Course	Title	Units
<b>Required Courses</b>		
BIOL G220	Human Anatomy	4
BIOL G225	Human Physiology	4
BIOL G210	General Microbiology	5
ENGL G100	Freshman Composition	4-6
or ENGL G100S	Freshman Composition with Support	
<b>Total Units</b>		<b>17-19</b>

## Recommended Program Sequence

These sequences are general maps for students to finish all requirements for the Certificate. There may be advisories or time requirements that students may want to consider before following these maps. **Students are advised to meet with a GWC Counselor for alternate sequencing.**

### Year 1:

Course	Title	Units
<b>Semester 1</b>		
BIOL G100	Introduction to Biology	4
or BIOL G221	Introduction to Anatomy and Physiology	
ENGL G100	Freshman Composition	4
<b>Units</b>		<b>8</b>

Course	Title	Units
<b>Semester 2</b>		
BIOL G220	Human Anatomy	4
<b>Units</b>		<b>4</b>

### Year 2:

Course	Title	Units
<b>Semester 3</b>		
BIOL G225	Human Physiology	4
<b>Units</b>		<b>4</b>

Course	Title	Units
<b>Semester 4</b>		
BIOL G210	General Microbiology	5
<b>Units</b>		<b>5</b>