

# CERTIFICATE IN PRE-HEALTH PROFESSIONS

## College of Professional & Global Education

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## Pre-Health Professions Certificate Program

HH 219

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Committee Chair: Ron Marzke

### Program Scope

The goal of the Pre-Health Professions Certificate Program (PHPCP) is to guide participants through the entire preparation and application process so that they will be competitive applicants to graduate health profession schools. The program is intended for students who have already earned a B.A./B.S. degree and wish to apply to allopathic medicine, osteopathic medicine, nursing, dentistry, pharmacy, physical therapy, physician assistant, or optometry schools. Students wishing to apply to other health professions schools may also be considered. The program is suited for students who need to take introductory science coursework, upper-division science coursework, or a combination of both to be competitive in the admission process for health profession schools. The Director and Co-Directors jointly write a comprehensive committee letter that may be submitted with the student's health profession school application. Federal and/or private loans may be available to program participants.

### Admission Requirements and Application Process

Applicants must have graduated from an accredited institution of higher learning with a baccalaureate or higher degree and a GPA of 2.5 or above for their most recent 60 semester units (90 quarter units) of coursework. However, because of the limited number of students that can be accommodated by the program, applicants with higher GPAs will have an advantage in being admitted.

Applicants must apply through Cal State Apply and instructions can be found at <https://cpage.sfsu.edu/prehealth/how-to-apply> (<https://cpage.sfsu.edu/prehealth/how-to-apply/>). Official transcripts from all colleges and two letters of recommendation are also required. Admissions decisions are made by the PHPCP and PNPBCP and admission offers are issued by the SF State Division of Graduate Studies.

Students whose primary language is not English must earn a minimum score of 550 on the paper version of the Test of English as a Foreign Language (TOEFL) or a minimum score of 213 on the computer-based version.

### Admission Dates

Start Semester	Cal State Apply Application Open	Application Deadline
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Summer	October 1 – March 1	March 1
Fall	October 1 – April 15	April 15
Spring	August 1 – October 1	October 1

## Pre-Health Professions Certificate – 40 units Required Courses (40 units)

Code	Title	Units
SCI 695	Health Professions Colloquium	2

An additional 38 units of courses from the list below. Note: A maximum of 20 units may be transferred in from courses taken at accredited undergraduate institutions prior to entering the PHPCP.

Code	Title	Units
BIOL 210	General Microbiology and Public Health	3
BIOL 211	General Microbiology and Public Health Laboratory	1
BIOL 212	Principles of Human Physiology	3
BIOL 213	Principles of Human Physiology Laboratory	1
BIOL 230	Introductory Biology I (with laboratory)	5
BIOL 240	Introductory Biology II (with laboratory)	5
BIOL 328	Human Anatomy	4
BIOL 350	Cell Biology	3
BIOL 355	Genetics	3
BIOL 382	Developmental Biology	3
BIOL 401	General Microbiology	3
BIOL 420	General Virology	3
BIOL 430	Medical Microbiology	3
BIOL 435	Immunology	3
BIOL 442	Microbial Physiology	3
BIOL 453	General Parasitology	3
BIOL 609	Physics in Medicine	3
BIOL 612	Human Physiology	3
BIOL 615	Molecular Pathophysiology	3
BIOL 616	Cardiorespiratory Physiology	3
BIOL 618	Biology of Aging	3
BIOL 619	Pathophysiology	3
BIOL 620	Endocrinology	3
BIOL 621	Reproductive Physiology	3
BIOL 623	Pharmacology	3
BIOL 627	Biophysics	3
BIOL 640	Cellular Neurosciences	3
BIOL 642	Neural Systems Physiology	3
BIOL 760	Cancer Biology	3
BIOL 782	Developmental Biology	3
CHEM 101	Survey of Chemistry	3
CHEM 102	Survey of Chemistry Laboratory	1
CHEM 115	General Chemistry I (with laboratory)	4
CHEM 215	General Chemistry II	4
CHEM 233	Organic Chemistry I	3
CHEM 234	Organic Chemistry I Laboratory	2
CHEM 335	Organic Chemistry II	3
CHEM 336	Organic Chemistry II Laboratory	2
CHEM 349	General Biochemistry	3

MATH 124	Elementary Statistics	3
MATH 199	Pre-Calculus	4
MATH 226	Calculus I	4
NUTR 253	Nutrition, Health, and Disease	3
PH 221	Health and Social Justice - Burning Issues, Taking Action	3
PH 414	Women's Health	3
PH 810	Public Health and Principles of Community Organizing	3
PHYS 111	General Physics I	3
PHYS 112	General Physics I Laboratory	1
PHYS 121	General Physics II	3
PHYS 122	General Physics II Laboratory	1
PSY 431	Developmental Psychology	3
SCI 111	Science Concepts: Physics I	1
SCI 115	Science Concepts: Chemistry I	1
SCI 121	Science Concepts: Physics II	1
SCI 124	Mathematics Concepts: Elementary Statistics	1
SCI 215	Science Concepts: Chemistry II	1
SCI 230	Science Concepts: Biology I	1
SCI 235	Science Concepts	2
SCI 240	Science Concepts: Biology II	1
SCI 333	Science Concepts: Organic Chemistry I	1
SCI 335	Science Concepts: Organic Chemistry II	1