

# PRE-HEALTH PROFESSIONS

## College of Extended Learning

Interim Dean: Dr. Alex Hwu

## College of Science and Engineering

Dean: Dr. Carmen Domingo

### Pre-Health Professions Certificate Program

HH 219

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Committee Chair: Ron Marzke

Certificate Program Director: Rachel Small

### Program Scope

The goal of the Pre-Health Professions Certificate Program (PHPCP) and Pre-Nursing Post-Bac Certificate Program (PNPBCP) 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 <http://prehealth.sfsu.edu/content/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
Summer	February 1 – March 1	March 1

Fall	October 1 – May 1	May 1
Spring	August 1 – October 1	October 1

### Pre-Health Professions Certificate – 40 Units

Students will earn the certificate after completing the required Health Professions Colloquium (SCI 695) and at least 38 units taken from the courses shown in the table below. Note: A maximum of 20 units may be transferred in from courses taken at accredited undergraduate institutions prior to entering the PHPCP. Students may also take courses in the Pre-Nursing Certificate program and these units will also count toward the PHPCP certificate.

Code	Title	Units
<a href="#">BIOL 230</a>	Introductory Biology I (with laboratory)	5
<a href="#">BIOL 240</a>	Introductory Biology II (with laboratory)	5
<a href="#">BIOL 328</a>	Human Anatomy	4
<a href="#">BIOL 350</a>	Cell Biology	3
<a href="#">BIOL 355</a>	Genetics	3
<a href="#">BIOL 382</a>	Developmental Biology	3
<a href="#">BIOL 401</a>	General Microbiology	3
<a href="#">BIOL 430</a>	Medical Microbiology	3
<a href="#">BIOL 435</a>	Immunology	3
<a href="#">BIOL 453</a>	General Parasitology	3
<a href="#">BIOL 609</a>	Physics in Medicine	3
<a href="#">BIOL 612</a>	Human Physiology	3
<a href="#">BIOL 615</a>	Molecular Pathophysiology	3
<a href="#">BIOL 616</a>	Cardiorespiratory Physiology	3
<a href="#">BIOL 618</a>	Biology of Aging	3
<a href="#">BIOL 619</a>	Pathophysiology	3
<a href="#">BIOL 620</a>	Endocrinology	3
<a href="#">BIOL 623</a>	Pharmacology	3
<a href="#">BIOL 627</a>	Biophysics	3
<a href="#">BIOL 640</a>	Cellular Neurosciences	3
<a href="#">BIOL 642</a>	Neural Systems Physiology	3
<a href="#">BIOL 760</a>	Cancer Biology	3
<a href="#">BIOL 782</a>	Developmental Biology	3
<a href="#">CHEM 115</a>	General Chemistry I: Essential Concepts of Chemistry (with laboratory)	5
<a href="#">CHEM 215</a>	General Chemistry II: Quantitative Applications of Chemistry Concepts	3
<a href="#">CHEM 216</a>	General Chemistry II Laboratory: Quantitative Applications of Chemistry Concepts	2
<a href="#">CHEM 233</a>	Organic Chemistry I	3
<a href="#">CHEM 234</a>	Organic Chemistry I Laboratory	2
<a href="#">CHEM 335</a>	Organic Chemistry II	3
<a href="#">CHEM 336</a>	Organic Chemistry II Laboratory	2
<a href="#">CHEM 349</a>	General Biochemistry	3
<a href="#">H ED 221</a>	Health and Social Justice - Burning Issues, Taking Action	3
<a href="#">H ED 414</a>	Women's Health - Problems and Issues	3
<a href="#">H ED 810</a>	Public Health and Principles of Community Organizing	3
<a href="#">MATH 199</a>	Pre-Calculus	4
<a href="#">MATH 226</a>	Calculus I	4
<a href="#">PHYS 111</a>	General Physics I	3

<u>PHYS 112</u>	General Physics I Laboratory	1
<u>PHYS 121</u>	General Physics II	3
<u>PHYS 122</u>	General Physics II Laboratory	1
<u>SCI 111</u>	Science Concepts: Physics I	1
<u>SCI 115</u>	Science Concepts: Chemistry I	1
<u>SCI 121</u>	Science Concepts: Physics II	1
<u>SCI 215</u>	Science Concepts: Chemistry II	1
<u>SCI 230</u>	Science Concepts: Biology I	1
<u>SCI 235</u>	Science Concepts	2
<u>SCI 240</u>	Science Concepts: Biology II	1
<u>SCI 333</u>	Science Concepts: Organic Chemistry I	1
<u>SCI 335</u>	Science Concepts: Organic Chemistry II	1