

A Guide to Pre-Health Prerequisites at SF State

Health Profession programs each have specific prerequisites to ensure applicants have built essential skills and knowledge prior to admission. The below chart provides a general overview of the prerequisite coursework that is typically required for admission, and the SF State courses which would fulfill these requirements. Each program will have unique admissions requirements, so it is important to research your programs of interest while using this chart as a general guide. **We strongly recommend working with your advisor to develop an educational plan that includes the prerequisite coursework for your programs of interest.**

Some programs will accept community college coursework and AP exam credit to fulfill the below prerequisites, and some programs will not accept these forms of credit. Be sure to check whether your programs of interest will accept community college coursework and/or AP exam credit.

Plan to complete all prerequisite coursework for a letter grade, do not take any of them CR/NC. It is recommended that Pre-Health students maintain a minimum GPA of 3.0, although many Health Profession programs will have GPA averages above this minimum.

Requirement	SFSU Course	Medicine (MD and DO)	Veterinary	Dentistry	Physician Assistant	Physical Therapy	Pharmacy	Occupational Therapy	Clinical Lab Science
Chem I w/lab	CHEM 115	✓	✓	✓	✓	✓	✓		✓
Chem II w/lab	CHEM 215 (lab is included)	✓	✓	✓	✓	✓	✓		✓
Organic I w/lab	CHEM 233/234	✓	✓	✓	some		✓		✓
Organic II w/lab	CHEM 235/236	✓	✓	✓	some		✓		✓
Biology I w/lab	BIOL 230 (lab is included)	✓	✓	✓	✓	✓	✓	some	✓
Biology II w/lab	BIOL 240 (lab is included)	✓	✓	✓	✓	✓	✓	some	✓
Physics I w/lab	PHYS 111/112 <i>or</i> PHYS 220/222	✓	✓	✓	✓	✓	✓	some	✓
Physics II w/lab	PHYS 121/122 <i>or</i> PHYS 230/232	✓	✓	✓	✓	✓	✓	some	some
Calculus	MATH 226	some	✓	some			✓		some
Statistics	MATH 124 <i>or</i> ISED 160 <i>or</i> PSY 171	some	✓	some	✓	✓	✓	✓	some
Biochemistry	CHEM 349 <i>or</i> CHEM 340/341	some		✓	some		some		✓
Biochemistry Lab	CHEM 343	some		✓	some		some		
Microbiology w/ lab	BIOL 401/402GW	some	some	some	✓	some	some		✓
Medical Microbiology w/lab	BIOL 430/431				some				✓
Immunology w/lab	BIOL 435/436								✓
Hematology	BIOL 625								✓
Human Anatomy w/lab	BIOL 328 (lab is included)	some	some	some	✓	✓	some	✓	recommended
Physiology w/lab	BIOL 612/613GW	some	BIOL 630/631GW recommended	some	✓	✓	some	✓	recommended
Genetics	BIOL 355	some	some	some	some				recommended
Cell Biology	BIOL 350	some	some	some					recommended
Virology	BIOL 420								recommended
Parasitology w/lab	BIOL 453/454								recommended
Analytical Chemistry	CHEM 321								✓
Inorganic Chemistry	CHEM 325/326	some		some					
English Composition	ENG 114 <i>or</i> ENG 105 <i>or</i> ENG 106 <i>or</i> ENG 202 <i>or</i> ENG 209	some	✓	✓	some	some	some	some	
Oral Communication	COMM 150								
Critical Thinking	PHIL 110								
Psychology	PSY 200	some		some	✓	✓	some	✓	
Developmental Psychology (Lifespan)	PSY 431							✓	
Abnormal Psychology	PSY 452							✓	
Sociology	SOC 105	some	some	some	some		some	✓	
Cultural Anthropology	ANTH 120								
Economics	ECON 101 <i>or</i> ECON 102	some					✓		
Nutrition w/lab	NUTR 450/451				some				
Exercise Physiology w/lab	KIN 482/483					some			
Kinesiology	KIN 250					some			