

Advising Template

**BS Health Sciences - Pre-Optometry**

2026-2027 catalog

All professional schools and graduate schools have their own unique set of prerequisites. Courses should be selected in consultation with your academic advisor/mentor with an annual review of websites from the professional schools for which the students wish to apply, to ensure that the students meet CSC graduation and degree requirements as well as professional school prerequisite requirements. These additional requirements and recommendations may include additional specific biology courses and more chemistry, physics, and psychology courses, as well as others. Course sequences are scheduled, but may change to accommodate faculty loading.

**Students in this program must be accepted into an accredited graduate School of Optometry, successfully complete their first**

Year 1					
Fall Semester			Spring Semester		
BIOL 101/101L	General Biology 1 & Lab (ES - Scientific Methodology)	4	BIOL 102/102L	General Biology II & Lab	4
CHEM 131/131L	College Chem I & Lab (unless has not had high school Chemist	4	CHEM 132/132L	College Chemistry II & Lab	4
FYI	( <i>Essential Studies - Select one FYI from list</i> )	3	CA 125	Fund. Oral Communications	3
ENG 135	Rhetoric and Writing	3	PSYC 131	Intro to Psychological Sciences	3
Elective Course*		3			
		<b>Total Hours</b>			<b>Total Hours</b>
		17			14
Year 2					
Fall Semester			Spring Semester		
CHEM 333/333L	Organic Chemistry I and Lab	4	BIOL 332/332L	Genetics & Lab	4
PHYS 151/151L	College Physics I & Lab	4	PHYS 152/152L	College Physics II & Lab	4
MATH 151	Calculus I	3	Culture & Society	( <i>Essential Studies - pick one from list</i> )	3
Social Sciences	( <i>Essential Studies - Select one from list</i> )	3	Human Diversity or Health & Welln	( <i>Essential Studies - pick one from list</i> )	3
BIOL 241/21L	Microbiology & Lab	3			
				Biology	
		<b>Total Hours</b>			<b>Total Hours</b>
		17			14
Year 3					
Fall Semester			Spring Semester		
BIOL 340/340L	Human Anatomy & Lab	4	BIOL 342/342L	Human Physiology & Lab	4
CHEM 335/335L	Biochemistry I & Lab	3	BIOL 499	Biology Capstone ( <i>Essential Studies</i> )	3
BIOL 132	Medical Terminology (recommended)	2	Elective Course*		3
BIOL 332	Molecular Biology of the Cell	3	Elective Course*		3
Elective Course*		3			
		<b>Total Hours</b>			<b>Total Hours</b>
		15			13
<b>*Elective Courses</b>					
must total to no less than _____, to reach 90 undergraduate hours required by this degree.					
Should be picked to meet required prerequisite and preferred coursework for programs you wish					
Suggestions might include the following:					
	BIOL 230 Histology				
	BIOL 430 Immunology				
	BIOL 432/432L Developmental Biology				