

Advising Course Plan - Health Sciences Major - Optometry Interest

Optometry Interest with Chemistry minor

Those interested in pursuing a career in Optometry should plan on also pursuing a minor in Chemistry and completing a common core of prerequisite coursework (*). Some requirements may differ from the ones below, depending on the Optometry program in which you may be interested, so please make sure to look at various graduate program requirements for different universities. Therefore, you will want to begin looking at universities' requirements during your 1st year as an undergraduate to better prepare you for graduate programs. Of course, make sure you satisfy all the Health Sciences (HLSC) major requirements listed in the course catalog (the plan below should allow you to do this).

Students will need to take the standardized OAT exam for admission to Optometry programs. More information on optometry programs, requirements, etc. can be found at:

<https://optometriceducation.org/students-future-students/resources/>

The average GPA of admitted students is 3.4 and the average OAT score is 325.

First Year

Fall		Units
BIOL 141P ^{1,*}	Introductory Biology I: Biochemistry, Cell Biology and Molecular Genetics	1
HLSC 119V	Health and Wellness	1
FSEM 100 ¹	First Year Seminar (unless transfer student)	1
General Education requirement ¹		1
Term Units		4
Spring		
BIOL 142P ^{1,*}	Introductory Biology II: Animal and Plant Physiology	1
PSYC 101S ^{1,*}	Introduction to Psychology	1
MATH 141Q ^{1,*}	Calculus I with Analytic Geometry	1
General Education requirement (A, B, H, L course) ¹		1
Term Units		4

Second Year

Fall		Units
HLSC 201 ^{1,*}	Anatomy Physiology I	1
CHEM 141P [*]	General Chemistry I	1
BIOL 301 ^{1,*}	Microbiology	1
General Education requirement (A, B, H, L course) ¹		1
Term Units		4
Spring		
HLSC 202 ^{1,*}	Anatomy and Physiology II	1
CHEM 142P [*]	General Chemistry II	1
SOCI 101S [*]	Understanding Society: An Introduction to Sociology	1
General Education requirement (A, B, H, L course) ¹		1
Term Units		4
Summer		
Take the OAT exam in preparation for Optometry program applications - by the end of summer before Fourth Year.		0
Term Units		0

Third Year

Fall		Units
Junior Seminar must be taken during this year.		
CHEM 201 [*]	Organic Chemistry I	1
PHYS 121P or 141P [*]	College Physics I University Physics I	1
Junior Seminar		1
Elective		1
Term Units		4
Spring		
HLSC 498 ¹	Senior Research Proposal	1
PUBH 308Q	Health and Medical Statistics	1
PHYS 122P or 142P [*]	College Physics II University Physics II	1

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CHEM 301*	Organic Chemistry II	1
	Term Units	4
Fourth Year		
Fall		
HLSC 499 ¹	Senior Research Project	1
HLSC 411 ¹	Exercise Physiology	1
CHEM 204*	Biochemistry I	1
PHIL 316V	Bio-Medical Ethics (or equivalent; IHSC elective; or other Personal & Social Responsibility course (R, E, W, D, J course))	1
	Term Units	4
Spring		
HLSC elective ¹		1
Additional 200+ level Chemistry class to satisfy Chemistry minor		1
COMM 201*	Public Speaking	1
Elective		1
	Term Units	4

Total Unit: 32

¹ Required for HLSC major.

* Common core of prerequisite course work.