



Health Professions Pathways Program (H3P)

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PRE-OPTOMETRY RECOMMENDED COURSEWORK

Optometry schools do not require a specific undergraduate major for admission; however, they do expect applicants to complete foundational coursework in the basic sciences. The Health Professions Pathways Program, in collaboration with campus academic partners, recommends the following coursework to help students meet common U.S. optometry school prerequisites and prepare for competitive admission.

Because prerequisite requirements vary among optometry schools, these recommendations may not satisfy all requirements for every institution. Coursework beyond the recommendations listed below may be required or recommended by specific optometry schools. Additionally, some optometry schools may accept equivalent coursework that fulfills the same subject requirement. Students should use these recommendations as a guide, consult with their academic advisors, and verify requirements through the [OptomCAS School & College Prerequisites](#) and individual program websites.

RECOMMENDED GU COURSES ALIGNED WITH COMMON OPTOMETRY SCHOOL PREREQUISITES	CREDITS
2 Semesters of General Biology and 1 Semester of Microbiology	
BIOL 105/L Info Flow in Biological Systems with lab	4
BIOL 106 Energy Flow in Biological Systems	3
BIOL 170/L Microbiology with lab or BIOL 370/L Microbiology with lab	4
2 Semesters of General Chemistry	
CHEM 101/L General Chemistry with lab	4
CHEM 102/L General Chemistry II with lab	4
1 Semester of Organic Chemistry and 1 Semester of Biochemistry	
CHEM 230/L Organic Chemistry I with lab	4
CHEM 307/L Biochemistry I with lab (<i>previously listed as CHEM 245/L</i>)	4
2 Semesters of General Physics	
PHYS 111/L General Physics I with lab or PHYS 121 Physics I with lab	5
PHYS 112/L General Physics II with lab or PHYS 122 Physics II with lab	5
2 Semesters of Anatomy & Physiology	
HPHY 241/L Human Anatomy & Physiology I with lab	4
HPHY 242/L Human Anatomy & Physiology II with lab	4
1 Semester of Statistics and 1 Semester of Calculus	
MATH 121 Statistics	3
MATH 148 Survey of Calculus or MATH 157 Calculus-Analytic Geometry	3 to 4
1 Semester of Psychology	
PSYC 101 General Psychology	3
TOTAL	54 to 55

Additional Considerations:

- AP, IB, and dual-enrollment credit may not satisfy prerequisite requirements.

Student Responsibilities:

Students are responsible for confirming prerequisite or minimum-grade requirements, co-requisites that must be completed concurrently, registration restrictions (major, minor, class standing) and course availability and scheduling. Verify this information through Zagweb, the Gonzaga course catalog, or consultation with an academic advisor.