



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 require a strong foundation in the basic sciences. Each school determines its own prerequisite coursework, but based on best practices and available information, H3P (in collaboration with Academic Advising & Assistance) recommends pre-optometry students complete the following courses regardless of their major:

Recommended Courses at Gonzaga	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, 1 Sem. Organic Chemistry, and 1 Sem. Biochemistry	
CHEM 101/L General Chemistry with lab	4
CHEM 102/L General Chemistry II with lab	4
CHEM 230/L Organic Chemistry I with lab	4
CHEM 231/L Organic Chemistry II with lab (<i>as a pre- or co-requisite for CHEM 307/L</i>)	4
CHEM 307/L Biochemistry with lab	4
2 Semesters of General Physics	
PHYS 111/L General Physics I with lab or PHYS 121 Scientific Physics I with lab	5
PHYS 112/L General Physics II with lab or PHYS 122 Scientific 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	58 to 59

Instructions & Notes:

- Students should use this list of recommended coursework as a **guide**, and work with their advisor and/or [Academic Advising & Assistance](#) to develop an academic plan that aligns with individual needs and goals.
- Optometry schools may accept EDPE 276/L and EDPE 277/L for A&P requirement – contact individual schools.
- Optometry schools may require or recommend additional coursework not listed here. Students are responsible for researching individual optometry school admissions information to ensure fulfillment of coursework that makes for competitive candidacy at those schools.
 - Refer to the [OptomCAS School & College Prerequisites](#) and/or individual school websites.
- This information is accurate as of the date listed below, and courses are subject to change. Providing this information does not guarantee availability of or access to courses.

Students are ultimately responsible for confirming:

- Details about when courses are offered and any restrictions that may require course authorization for approval to register. This information can be researched in Zagweb, the course catalog, and/or by appointment with an academic advisor and may include:
 - Pre-requisites (course or minimum grade) that need to be completed prior to registering for a course
 - Co-requisite course (or other requirement) that a student must take at the same time
 - Restrictions (major, minor, or class year) that may prevent a student from registering for a course