



Health Professions Pathways Program (H3P)

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PRE-MEDICINE (MD / DO) RECOMMENDED COURSEWORK

Medical 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. medical school prerequisites and prepare for competitive admission.

Because prerequisite requirements vary among medical schools, these recommendations may not satisfy all requirements for every institution. Coursework beyond the recommendations listed below may be required or recommended by specific medical schools. Additionally, some medical 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 [Medical School Admission Requirements-MSAR](#) (MD), the [Choose DO Explorer](#) (DO) and individual program websites.

RECOMMENDED GU COURSEWORK ALIGNED WITH COMMON MEDICAL SCHOOL PREREQUISITES	CREDITS
3 Semesters of Biology	
BIOL 105/L Info Flow in Biological Systems with lab	4
BIOL 106 Energy Flow in Biological Systems	3
BIOL 207/L Genetics with lab	4
5 Semesters of Chemistry	
CHEM 101/L General Chemistry I 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	4
CHEM 307/L Biochemistry I with lab (<i>previously listed as CHEM 245/L</i>)	4
2 Semesters of 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
1 Semester of Mathematics	
MATH 121 Statistics	3
TOTAL	47 to 48

Additional Considerations:

- Less than 10% of medical schools require Calculus; students are encouraged to check individual school requirements before adding Calculus to their academic plan.
- 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.