



PRE-MEDICINE (MD / DO) RECOMMENDED COURSEWORK

Medical 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, the Health Professions Pathways Program (in collaboration with Academic Advising) recommends that Gonzaga pre-med students complete the following courses:

Recommended Courses at Gonzaga	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
1-2 Semesters of Mathematics	
MATH 121 Statistics (<i>highly recommended</i>)	3
MATH 148 Survey of Calculus or MATH 157 Calculus-Analytic Geometry (<i>varies by med school</i>)	3 to 4
TOTAL	47 to 48

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.
- Medical schools may accept a major-specific Statistics course – contact individual programs.
- Medical programs accept AP coursework on a case-by-case basis, but rarely for science pre-requisites.
- Medical schools may require or recommend additional coursework not listed here. Students are responsible for researching individual medical school admissions information to ensure fulfillment of coursework that makes for competitive candidacy at those schools.
 - Refer to the [Medical School Admission Requirements-MSAR](#) (MD programs), the [Choose DO Explorer](#) (DO programs) 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