

# PRE-MEDICINE ADVISING

## About Us

Loyola Career Services provides support and guidance to students exploring, considering, and applying to programs in the healthcare field including medical school, dental school, and other allied health professions. Students can schedule an appointment through Handshake to meet with their dedicated career advisor. More information about Career Service's offerings for pre-medical and pre-health students, including a list of typical course requirements and recommendations, can be found on the Health, Medicine, and Natural Sciences website (<https://www.luc.edu/prehealth/index.shtml>).

## Commonly Required Courses

These are typical requirements and recommendations for applying to medical schools. If you are interested in applying to programs in one of the other health profession areas (dental, pharmacy, PA, PT, OT, optometry, podiatry, etc.) please review the resources included below.

The health professional schools themselves provide the most accurate and up-to-date source of information. Students should begin researching specific requirements of health professional schools they are interested in early in their academic careers and continue this research through their academic careers as health professional schools typically update their required and recommended courses on an annual basis.

Students should also review Loyola department websites and LOCUS to determine relevant pre-requisites for courses listed below and what terms these courses are typically offered.

These professional association websites are additional resources that will likely be of value:

- AAMC Medical School Pre-Requisites (<https://students-residents.aamc.org/medical-school-admission-requirements/admission-requirements/>) (Allopathic Medicine/MD)
- ADEA-Dental School Pre-Requisites ([https://www.adea.org/GoDental/Application\\_Prep/Preparing\\_for\\_Dental\\_School/Prerequisites.aspx](https://www.adea.org/GoDental/Application_Prep/Preparing_for_Dental_School/Prerequisites.aspx)) (Dentistry)
- AACOMAS Pre-Requisites (<https://www.aacom.org/become-a-doctor/apply-to-medical-school/admissions-requirements/>) (Osteopathic Medicine/DO)
- AAPA Pre-Requisites (<https://www.aapa.org/career-central/become-a-pa/>) (Physician's Assistant)
- AACP Pre-Requisites (<https://www.aacp.org/resource/pharmacy-school-admission-requirements/>) (Pharmacy)
- ASCO Information (<https://optometriceducation.org/>) (Optometry)
- AACPM Information (<https://aacpm.org/>) (Podiatry)
- AAVMC Information (<https://www.aavmc.org/>) (Veterinary)

Area	Subject	Loyola Equivalent
Biology	General Biology I	BIOL 101 & BIOL 111
	General Biology II	BIOL 102 & BIOL 112
	Biochemistry	BIOL 366 or CHEM 361
	Cell Biology	BIOL 251
	Genetics	BIOL 282

Chemistry (Previous Track)	Inorganic Chemistry I	CHEM 101 & CHEM 111 or CHEM 105
	Inorganic Chemistry II	CHEM 102 & CHEM 112 or CHEM 106
	Organic Chemistry I	CHEM 223 & CHEM 225 or CHEM 221
	Organic Chemistry II	CHEM 224 & CHEM 226 or CHEM 222
	Biochemistry	CHEM 361 or CHEM 370 or BIOL 366
Chemistry (New Track)*	Chemical Structure & Properties	CHEM 160 & CHEM 161
	Chemical Reactivity I	CHEM 180 & CHEM 181
	Chemical Reactivity II	CHEM 240 & CHEM 241**
	Quantitative Methods	CHEM 260 & CHEM 261**
	Biochemistry	CHEM 361 or CHEM 370 or BIOL 366
Physics	Physics I	PHYS 111 & PHYS 111L or PHYS 125 & PHYS 125L
	Physics II	PHYS 112 & PHYS 112L or PHYS 126 & PHYS 126L
Math	College Algebra	MATH 117
	Pre-Calculus	MATH 118
	Statistics	STAT 103 or STAT 203 or PSYC 304 or STAT 335
English Composition	Freshman Composition	UCWR 110
	Upper Level Composition Course	One Writing Intensive Course
Psychology	Psychology	PSYC 101
Social Science	Sociology	SOCL 101

\* The "New Track" for the Chemistry sequence denotes the new course structure beginning in Fall 2023 that will reorganize the presentation of topics but still reflect the AAMC standards of Chemistry courses. Students who have completed the "Previous Track" have still completed the necessary chemistry requirements for health professional schools.

\*\*The 240/241 and 260/261 levels of courses in the New Track of Chemistry are interchangeable and can be taken in either order once the 160/161 and 180/181 sequences are complete.

### Occasionally required courses include (but are not limited to):

Molecular Genetics, Molecular Biology, Calculus, Additional Behavioral Sciences