

# /Pre-medicine at KU

## Curriculum Guide

Premedicine is a track made up of courses required for entry to medical school. Students complete these requirements alongside the bachelor's degree of their choice. The MCAT is also required for admission into a Doctor of Medicine or Osteopathic Medicine program.

For more information please visit: [PreHealth.ku.edu](http://PreHealth.ku.edu) Information can be found regarding - advising, applications, involvement, resources, and career coaching.

## Most Schools Require:

- BIOL 150 Principles of Molecular & Cellular Biology (4)
- BIOL 152 Principles of Organismal Biology (4)
- CHEM 130 General Chemistry I (5)
- CHEM 135 General Chemistry II (5)
- CHEM 330 Organic Chemistry I (3) and 331 Lab (2)
- CHEM 335 Organic Chemistry II (3) and 336 Lab (2)\* CHEM 331 is enough to satisfy KU School of Medicines Organic lab requirement\*
- PHSX 114 College Physics I (4)
- PHSX 115 College Physics II (4) 6 hours of College English are also required. Typically, ENGL 101/105 and ENGL 102/205.

## The MCAT also requires knowledge from:

- BIOL 600 Introductory Biochemistry (3)
- PSYC 104 General Psychology (3)
- SOC 104 Elements of Sociology (3)

Some medical schools require: Calculus and statistics

KU School of Medicine additional suggestions: BIOL 503 Immunology (strongly encouraged) BIOL 400 Microbiology and BIOL 546 Mammalian Physiology.

Students may also be interested in taking BIOL 240 Human Anatomy and BIOL 350 Genetics.

- 1<sup>st</sup> Fall: Chemistry I, Biology I
- 1<sup>st</sup> Spring: Chemistry II, Biology II
- 2<sup>nd</sup> Fall: Organic Chem I and lab, Psychology
- 2<sup>nd</sup> Spring: Organic Chem II and lab\*, Sociology
- 3<sup>rd</sup> Fall: Physics I, Biochemistry
- 3<sup>rd</sup> Spring: Physics II

**Notes:** To begin your first semester in BIOL 150 and CHEM 130 you must be calculus eligible. This requires a Math ACT of 26+ or credit for College Algebra. CHEM 130 is a co-requisite for BIOL 150.

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These requirements can be paired with any bachelor's degree. Meet with an advisor to plan your graduation timeline. Check with your advisor about course substitutions and Honors courses.

Students typically take the MCAT between their Junior and Senior year. Work with the Career Center to prepare your applications.