

MEDICINE

Students must earn a bachelor's degree prior to admission to medical school. There is no preferred major. Completing the courses listed below does not result in a bachelor's degree. Additionally, students must complete the courses required by the medical schools to which they plan to apply, score competitively on the Medical College Admission Test (MCAT), shadow practicing physicians, show evidence of commitment to community service, and be conversant about current health care issues. Some types of leadership experience may be helpful.

Requirements at individual medical schools may vary. Students are responsible for knowing and completing the requirements of their major and those of the medical schools to which they plan to apply.

Prerequisites for most medical schools

Course #	Course Title	Hours
BIOL 198	Principles of Biology	4
	Additional Biology with lab	4
CHM 210	Chemistry I	4
CHM 230	Chemistry II	4
CHM 531	Organic Chemistry I	3
CHM 550	Organic Chemistry II	3
CHM 532	Organic Chemistry Lab	2
	(taken with or after CHM 550)	
PHYS 113	General Physics I	4
PHYS 114	General Physics II	4
MATH 220	Calculus I	4
	(Math requirements vary among medical schools and among majors. KU School of Medicine requires 3 hours of college mathematics.)	

Courses helpful for MCAT preparation

Course #	Course Title	Hours
BIOCH 521	General Biochemistry	3
BIOL 450	Modern Genetics	4
BIOL 340	Human Body	8
	or	
KIN 360	Anatomy & Physiology	8
PSYCH 110	General Psychology	3
SOCIO 211	Intro to Sociology	3
STAT 325	Intro to Statistics	3
	or	
STAT 340	Biometrics	3

Other courses to consider

Course #	Course Title	Hours
BIOL 541	Cell Biology	3
BIOL 455	Microbiology	4
BIOL 670	Immunology	3
CLSCS 105	Latin and Greek for Scientists	2
COMM 480	Intercultural Communication	3
FNDH 400	Human Nutrition	3
FNDH 660	Nutrition and Food Behavior	3
FSHS 415	Manual Communication	3
GERON 315	Introduction to Gerontology	3
HMD 720	Adm. Health Care Org.	3
HIST 520	Death and Dying in History	3
HIST 534	Social History of Medicine	3
PHILO 365	Medical Ethics	3
PSYCH 518	Health Psychology	3
PSYCH 520	Lifespan Personality Dev.	3
PSYCH 470	Psychobiology	3
PSYCH 630	Human Neuropsychology	3
SOCIO 510	Social Welfare as a Soc. Inst.	3
SOCIO 541	Wealth, Power and Privilege	3
SOCWK 320	Dynamics of Working with Older adults	3
THTRE 665	Drama Therapy with Special Populations	3

Prerequisite courses and courses helpful for the MCAT must be completed by the end of the spring semester prior to the final year of college. For students on a 4-year plan, this means by the end of the spring semester of the junior year. For a variety of reasons, it is not uncommon for students to spend more than 4 years preparing to successfully apply to medical school. There are many ways to sequence these courses; none is perfect or preferred. An example of one way to do it is on the back of this page.

How individual students sequence courses depends on courses they have already completed, requirements of their major, hours taken each semester, and their other responsibilities and involvements. This is an example of one way to do it. Regular consultation with an advisor for the student's major and a health professions advisor is recommended for help individualizing course sequencing.

1st Fall	1st Spring	1st Summer
BIOL 198 CHM 210	BIOL 455 CHM 230	Shadowing, community service, medically related experiences.
2nd Fall	2nd Spring	2nd Summer
CHM 531 PHYS 113 PSYCH 110	CHM 550 CHM 532 PHYS 114 SOCIO 211	Shadowing, community service, medically related experiences.
3rd Fall	3rd Spring	3rd Summer
BIOL 340 or KIN 360 BIOL 450 Begin MCAT preparation in earnest during the break between semesters	BIOCH 521 STAT 325 or 340 300-400 hours MCAT preparation	More MCAT preparation TAKE MCAT – late May to mid-July APPLY by mid-August Shadowing, community service, medically related experience.
4th Fall	4th Spring	4th Summer
Medical school interviews	Medical school interviews	Medical school begins

Helpful websites

Association of American Medical Colleges: <https://students-residents.aamc.org/>

American Association of Colleges of Osteopathic Medicine: <https://www.aacom.org/become-a-doctor>

American Association of Colleges of Podiatric Medicine: <http://www.aacpm.org/>

Medical College Admission Test: <https://students-residents.aamc.org/applying-medical-school/taking-mcat-exam/>

Medical School Admission Requirement: aamc.org/msar (access to some information is free; more information is available for a modest fee and will be helpful closer to the time of application to medical school)

KU School of Medicine Premedical Programs:

<http://www.kumc.edu/school-of-medicine/education/premedical-programs.html>

Scholars in Rural Health: <http://www.kumc.edu/school-of-medicine/education/premedical-programs/scholars-in-rural-health.html>

Explore Health Careers: <http://explorehealthcareers.org/en/home>

K-State Undergraduate Catalog: <http://catalog.k-state.edu/>

K-State Transfer Equivalency: <https://www.k-state.edu/undergradadmit/transferequivalency.html>

K-State Secondary Major in Gerontology: <http://www.he.k-state.edu/aging/academics/ugrad/gerontology.html>

K-State Alternative Breaks: <http://www.k-state.edu/leadership/programs/serviceteams/altbreaks/>

Konza United Way: <http://getconnected.konzaunitedway.org/>

Habitat for Humanity: <http://mahfh.org/volunteer/>

Hope Ranch Therapeutic Riding Center: <http://hoperanchks.org/>

Susan Watt

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To Make An Appointment:

To meet with Mrs. Watt, please call 785-532-5500 or come by the Dean's Office, 119 Justin Hall, and schedule an appointment with the receptionist at the front desk.