

Information:

Pre-medical students must secure a minimum of 90 credit hours of college credit before making application to most medical colleges, and preference is generally given to students who have received a bachelor's degree. Specific requirements may vary among medical colleges but, in general, the following list of pre-medical courses should be taken. Students are strongly encouraged to choose a major of interest and follow the requirements for that major while completing the necessary pre-medical courses.

When choosing a major to complete the pre-medicine curriculum, applicants are encouraged to explore areas of personal interest. Interests may vary from a thorough investigation of the natural sciences to the social sciences and humanities. In view of the rapidly broadening scope of medicine, a well-rounded education is considered optimum preparation.

The MCAT is required.

Curriculum:

Biological Sciences (11 credit hours minimum)

BIOL 1450	Biology I	5 credits
BIOL 1750	Biology II	5 credits
BIOL 2140	Genetics	4 credits
<u>Recommended biological sciences, in addition to those above:</u>		
BIOL 2440	The Biology of Microorganisms	4 credits
BIOL 2740 & 2840	Human Physiology & Anatomy I & II	4 credits each
BIOL 3020	Molecular Biology of the Cell (strongly rec.)	3 credits
BIOL 3240	Introduction to Immunology	3 credits

Chemistry (19 credit hours minimum)

CHEM 1180* & 1184	General Chemistry I & Lab	4 credits
CHEM 1190 & 1194	General Chemistry II & Lab	4 credits
CHEM 2250	Organic Chemistry I	3 credits
CHEM 2260 & 2274	Organic Chemistry II & Lab	5 credits
AND		
CHEM 4650 & 4654	Biochemistry I & Lab	4 credits
CHEM 4660 & 4664	Biochemistry II & Lab	4 credits
OR		
CHEM 4610	Biochemistry of the Metabolism	4 credits
*Requires Math 1310 or placement beyond, plus CHEM 1140 & 1144 or placement beyond as pre-requisites.		

Physics (8 credit hours minimum)

PHYS 1110 & 1154	General Physics I & Lab	5 credits
PHYS 1120 & 1164	Physics II & Lab	5 credits
OR		
PHYS 2110 & 1154	General Physics I – Calculus Level & Lab	5 credits
PHYS 2120 & 1164	General Physics II – Calculus Level & Lab	5 credits

Mathematics (3 credit hours minimum)

(Mathematics requirements vary from one medical school to another. UNMC will accept 3 credits of calculus or statistics. Students should contact the appropriate schools, if different from UNMC, to make certain this requirement is fulfilled.)

<u>Recommended:</u>		
MATH 1950	Calculus I (preferred)	5 credits
Or MATH 1930	Calculus for the Managerial, Life & Social Sciences	3 credits
Or MATH 3500	Special Topics: Calculus for Biomedicine	5 credits
<u>A good alternative course of study would include all of the following:</u>		
MATH 1320	College Algebra	3 credits
MATH 1330	Trigonometry	3 credits
(OR MATH 1340	College Algebra & Trigonometry	5 credits)
A statistics course →	PSYC 3130 or SOC 2130 or STAT 3000	3 credits
A computer science course →	CSCI 1000 or 1500	3 credits

English Composition**(3 credit hours minimum)**

ENGL 1150	English Composition I	3 credits
ENGL 1160 or 1164	English Composition II	3 credits

(Advanced writing composition courses can be substituted, if proficiency is established by examination.)

Humanities and Social Sciences**(12-16 credit hours minimum)**

Courses in the following may be used to fill this requirement: art, theatre, literature, English, music, foreign language, sociology, anthropology, psychology, child development, journalism, economics, geography, geology, speech, communication, history, political science, philosophy, religion, women's studies, and any ethnic studies courses.

Can Advanced Placement (AP) courses or CLEP examinations fulfill the pre-med requirements?**For UNMC's College of Medicine:**

No courses taken for Advanced Placement or CLEP may count as one of the required pre-medicine courses. It is preferred that if a student has already been given credit for a pre-med course via one of these exams, that the student take an upper-level course in that area, rather than repeating the exact same course.

For Creighton University's College of Medicine:

Yes. Courses taken for both AP and CLEP are acceptable.

Statistical Information:**UNMC's College of Medicine Admission Data:**

<u>Applications Filed in</u> <u>2009</u>	<u>Applications Accepted in</u> <u>2009</u>	<u>Acceptance Percentage</u> <u>in 2009</u>	<u>Average Cumulative</u> <u>GPA in 2010</u>	<u>Average MCAT Score in</u> <u>2010</u>
1402	166	12%	3.77	30.0

Creighton University's College of Medicine Admission Data:

<u>Applications Filed in</u> <u>2010</u>	<u>Applications Accepted in</u> <u>2010</u>	<u>Acceptance Percentage</u> <u>in 2010</u>	<u>Average Cumulative</u> <u>GPA in 2010</u>	<u>Average MCAT Score in</u> <u>2010</u>
5930	150	2.5%	3.72	30.0



College of Arts and Sciences Advising Office
 Arts and Sciences Hall Room 240
 University of Nebraska Omaha
 6001 Dodge Street, Omaha, NE 68182-0013
 402.554.2458, <http://www.unomaha.edu/cas/advising>
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