



# NORTHEASTERN STATE UNIVERSITY

## *College of Science & Health Professions*

### Pre-Medical at OUHSC and OSUCHS

The Pre-Medical Program is designed to meet the requirements for Oklahoma University Health Sciences Center and Oklahoma State University Center for Health Sciences. A GPA of 3.0 or higher and an average score of 7.0 or high on the MCAT are minimum requirements for application. A letter grade of C or better is required in all pre-requisite courses. A **minimum of 90** college hours is required, however a **bachelor degree is strongly recommended**. Since this list is subject to change, it is the student's responsibility to obtain the latest information from the address shown on the reverse.

#### MINIMUM REQUIREMENTS:

		<u>Hours</u>	<u>Completed</u>
<b>English 6 – 9 Semester Hours:</b>			
English 1113	Freshman Composition I	3	<input type="checkbox"/>
English 1213	Freshman Composition II		<input type="checkbox"/>
<b>Introductory Biology 8 – 10 Semester Hours</b>			
Biology 1123	Evolution & Diversity	3	<input type="checkbox"/>
Biology 1131	Investigative Laboratory	1	<input type="checkbox"/>
Biology 2154 or 3224	Human anatomy or Microbiology	4	<input type="checkbox"/>
<b>General Chemistry 8 – 10 Semester Hours</b>			
Chemistry 1123, 1131	General Chemistry I (Lecture & Lab)	4	<input type="checkbox"/>
Chemistry 1223, 1231	General Chemistry II (Lecture & Lab)	4	<input type="checkbox"/>
<b>Organic Chemistry 8 – 10 Semester Hours</b>			
Chemistry 3123, 3132	Organic Chemistry I (Lecture & Lab)	5	<input type="checkbox"/>
Chemistry 3223, 3232	Organic Chemistry II (Lecture & Lab)	5	<input type="checkbox"/>
<b>Analytical 3 Semester Hours</b>			
Math 1513 or higher	College Algebra	3	<input type="checkbox"/>
<b>General Physics 8 – 10 Semester Hours</b>			
Physics 1115	General Physics I	5	<input type="checkbox"/>
Physics 1215	General Physics II	5	<input type="checkbox"/>

Select at least **one** of the following upper level division (3000-4000) science courses with labs. (3-5 courses recommended). Suggested but not limited to:

Biology 3114	Genetics (Helpful to take before MCAT)
Biology 3124	Cell Biology
Biology 3314	Human Physiology (Helpful to take before MCAT)
Biology 4543	Molecular Biology
Chemistry 4124	Biochemistry

Three semesters of: Psychology, Sociology, Philosophy, or Humanities (any combination)

For additional information contact  
Prehealth Professions Advising  
Dr. Craig Clifford  
Science Building Room 141  
918-444-3002  
clifford@nsuok.edu

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## ADDITIONAL INFORMATION

### **Credit Hours and Grade Point Average (GPA)**

Applicant to OSUCHS and the OUHSC must complete a minimum of 90 semester hours from an accredited college or university, earning a minimum grade point average of 3.0 (A = 4.0), and a minimum grade of C in each pre-requisite course. Students accepted to medical school without completing a bachelor's degree (but have completed a minimum of 90 semester hours) may be eligible to receive a degree from NSU after successful completion of the first year of medical school. This is an option requiring careful supervision by the Pre-Medical advisor. However, **most students** enter medical school **after** completion of a bachelor degree. The average GPA for those accepted to medical school in Oklahoma is approximately 3.60 – 3.70 on a 4.0 scale.

### **Medical College Admission (MCAT)**

All medical school applicants are required to take the Medical College Admission Test. This test is offered several times throughout the year. Students should plan to take the MCAT in the spring of their Junior year in college, the same semester that they will be completing the pre-requisites. For more information go to <http://www.aamc.org/students/amcas/>. A minimum MCAT average score of 7 is required to apply to medical school, however the average MCAT score for those accepted to medical school in Oklahoma is approximately 9-10 on a scale of 1-15.

### **Choosing a Major**

**“Pre-Medical” is not a major.** There is no recommended major for pre-medical students. Students should select a major in a discipline that will offer satisfying challenges and provide a viable alternative to medical school if they are not admitted. The student should be working toward a baccalaureate degree in their discipline of choice while they are completing the pre-requisites for medical school.

### **Challenging Curriculum**

Medical schools encourage a broad general curriculum in the social sciences and humanities. A high level of competence in the physical and biological sciences, as well as good communication skills is also important. Pre-medical students should sequence their courses to demonstrate a capacity to handle the rigors of medical school. Most pre-medical students take from 15-18 hours each semester that includes at least 2 life science courses each semester. If a student chooses a lighter load of courses it will be apparent to the medical programs that the student is protecting their GPA.

### **Advising**

when students are ready to declare a major, they are assigned to the appropriate departmental advisor. Students should also visit regularly with the pre-health advisor since this person will likely be responsible for writing a recommendation letter for you.

### **Shadowing/Volunteering Experience**

It is imperative that pre-medical students obtain direct exposure to the world of medicine by shadowing/observing physicians, working or volunteering in hospitals or nursing homes, visiting medical schools, and keeping informed of new developments in medical education and medical practice and current events in general. There is no minimum required hours of shadowing or volunteering required by the medical programs; however the more hours (>50 hours) a student spends learning about the profession the more they will be able to demonstrate their knowledge and commitment to the profession.

### **Pre-Professional Health Club (PPHC)**

Professionals in various health careers present information regarding their area of expertise at the bi-monthly meetings. As an academic club, PPHC provides a student senate representative to obtain information pertinent to the club. PPHC also participates in on campus activities such as the Big Event, the Small Event, Halloween Carnival and the semi-annual PPHC Health Career Fair. Networking with other students in the same field and with professionals is a major focus of PPHC.

### **Mock Interviews**

Students may register to interview with the pre-medical faculty committee for a mock interview which can lead to a recommendation letter from the committee for medical school. Please contact the pre-health advisor for more information.

**Oklahoma State University Center for Health Sciences contact:** Lindsey Kirkpatrick, OSU Center for Health Sciences Admissions and Student Recruitment, 1111 West 17th St., Tulsa, OK 74107. 918-561-8468, 1-800-677-1972.

**Email:** [Lindsey.kirkpatrick@okstate.edu](mailto:Lindsey.kirkpatrick@okstate.edu).

**OSUCHS Site:** <http://www.healthsciences.okstate.edu/index.cfm>  
[www.aacom.org](http://www.aacom.org).

**University of Oklahoma College of Medicine contact:** Dotty Killam, Admissions

The University of Oklahoma College of Medicine, PO Box 26901, BSEB 123, Oklahoma City, OK 73126 -- (405) 271-2331

**Email:** [adminmed@ouhsc.edu](mailto:adminmed@ouhsc.edu).

**OUHSC Site:** <http://www.oumedicine.com/landing.cfm?id=633>  
[www.aamc.org](http://www.aamc.org)