

**PRE-MEDICAL ADVISEMENT WORKSHEET**  
**Oklahoma State University College of Osteopathic Medicine**  
**2017-2018**

**University of Central Oklahoma**

Health Professions Advisor  
Department of Biology  
200 Howell Hall  
(405) 974-5733

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**Biology: 2 Semesters (including laboratory)**

BIO 1204      Biology I for Majors  
BIO 1225      Biology II for Majors and Lab  
\*BIO 2203      Cell Biology (since BIO 1204 does NOT have a lab, OSU permits students to also take BIO 2203 and 2211 to count for the second semester of general biology with lab prerequisite)  
\*BIO 2211      Cell Biology Lab

**General Chemistry: 2 Semesters**

CHEM 1103      General Chemistry I                      *and*  
                    CHEM 1112      General Chemistry I Lab (lab is co-requisite)  
CHEM 1223      General Chemistry II                      *and*  
                    CHEM 1232      General Chemistry II Lab (lab is co-requisite)

**Organic Chemistry: 2 Semesters**

CHEM 3303      Organic Chemistry I  
CHEM 3323      Organic Chemistry II

**Physics: 2 Semesters**

PHY 1114      General Physics I                      *and*  
                    PHY 1114 L      General Physics I Laboratory (lab is co-requisite)  
PHY 1214      General Physics II                      *and*  
                    PHY 1214L      General Physics II Laboratory (lab is co-requisite)

**English: 2 Semesters**

ENG 1113      English Composition  
ENG 1213      English Composition and Research

At least 1 upper division (3000-4000) level science course but 3-5 courses in the past 12 months are strongly preferred each with a grade of "C" or better. These may include:

CHEM 3403      Biochemistry I  
CHEM 4103      Biochemistry II  
BIO 3803      Mammalian Physiology I  
BIO 3813      Mammalian Physiology II  
BIO 3303      Genetics  
BIO 3414      Histology and Lab  
BIO 4134      Developmental Biology and Lab  
BIO 3054      Microbiology for Majors  
BIO 4454      Molecular Cell Physiology and Lab  
BIO 4515      Pathogenic Microbiology and Immunology and Lab

Note: BIO 2203 and STAT 2103 are prerequisites for many upper division biology courses and BIO 2203 is highly recommended for MCAT prep. Additional courses in Psychology and Sociology are also strongly recommended as those topics are included in the MCAT.

A minimum of 90 college credit hours are required.

CLEP and/or AP hours are not acceptable to count as prerequisites; a higher college level course is still required. Other requirements include: a minimum grade point average of 3.0, a letter grade of C or better in prerequisite courses and a minimum average score of 492 on the MCAT (Medical College Admissions Test).

**Effective May 1, 2017, AACOMAS will include all course attempts in GPA calculation. In the event of multiple attempts of the same course, AACOMAS will no longer drop initial course attempts from the GPA calculation.**

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Students planning to apply to medical schools other than those in Oklahoma need to check the specific admission requirements of those schools.

## PRE-MEDICAL PROGRAM

### **CREDIT HOURS AND GRADE POINT AVERAGE (GPA):**

All applicants to the OSU College of Osteopathic Medicine must present a minimum of 90 semester hours from an accredited college or university, and a minimum grade point average of 3.0 (A=4.0), with a minimum grade of "C" in each required course and a pre-professional science GPA of at least 2.75. **However, the OSU website lists competitive applicants as having a cumulative and science GPA of 3.6.**

**MEDICAL COLLEGE ADMISSION TEST (MCAT):** The Medical College Admission Test is required of medical school applicants. It is given several times a year, however, it is best to take the MCAT in April/May and complete required courses before taking the test. Students should take it no later than September of the year in which the application is filed. <http://www.aamc.org/students/mcat/start.htm>

On a scale of 472-528, a minimum average acceptable MCAT score is 492 but **the OSU website lists 500 or above as being a competitive applicant score. MCAT be taken within three years prior to application.**

**ADVISEMENT AT UCO:** Advisement for students planning to enter the health professions is coordinated by the Health Professions Advisor in the Biology Department. Graduation checks and curriculum planning are coordinated by your academic advisor; NUC 121. Since the premedical advisor will prepare a letter summarizing the Premedical Committee's evaluation when students apply to medical school, wise students will visit regularly enough to be known personally and benefit from their knowledge of the application process. However, it is essential that premedical students hold themselves responsible for knowing the requirements and deadlines.

**SELECTION OF MAJOR:** It should be emphasized that "pre-medical" is not a major. It simply means that the student is meeting requirements for admission to medical school. Thus, in addition to satisfying these requirements, the student should be working toward a baccalaureate degree in some discipline. There is no recommended major for premedical students. Medical schools encourage a broad general curriculum in the social sciences and humanities in addition to a high level of competence in the physical and biological sciences. Good communication skills are also important. Beyond this, the best advice for students is to select a major in a discipline that will offer satisfying challenges and provide a viable alternative to medical school if they are not admitted.

**QUALITY OF CURRICULUM:** Premedical students should choose a curriculum that demonstrates a capacity to handle the rigors of medical school. If they choose the easiest curriculum they can manage, it will be obvious to the Admissions Committee that they have been protecting their GPA. It will certainly deprive them of the level of preparation they need for professional school.

**PARAMEDICAL EXPERIENCE:** Premedical students should test the depth of their commitment by getting direct exposure to the world of medicine by working or volunteering in hospitals or nursing homes, visiting medical schools, shadowing practicing physicians (especially both MD and DO physicians), and keeping informed about new developments in medical education and medical practice.

**HEALTH PROFESSIONS CLUB:** This organization meets on the 1<sup>st</sup> and 3<sup>rd</sup> Tuesday of each month in HOH Atrium. It offers programs of speakers and films, involvement in blood drives, volunteer experiences, visits to medical and dental schools, and assistance in the application process. Any student may join. (Search Facebook for "UCO Pre-Med/Pre-Health Club")

### **PRE-HEALTH ADVISORY COMMITTEE**

Caroline Bentley, Chair	Biology	HOH 200
Robert Brennan	Biology	HOH 200
Gloria Caddell	Biology	HOH 208
Allyson Fenwick	Biology	HOH 200
Cheryl Frech	Chemistry	HOH 314
Michelle Haynie	Biology	HOH 200
Hari Kotturi	Biology	HOH 200
Luis Montes	Chemistry	HOH 314
Dallas New	Chemistry	HOH 320
Dana Rundle	Chemistry	HOH 320
Paul Stone	Biology	HOH 401
Nikki Seagraves	Biology	HOH 200
Melville Vaughan	Biology	HOH 301
James Creecy	Biology/FSI	FSI 100
Lillian Chooback	Chemistry	HOH 314
Mary Tappert	Biology	HOH 303

**For information from the OSU College of Osteopathic Medicine contact:** Ms. Julee Wells, OSU Center for Health Sciences Admissions and Student Recruitment, 1111 W 17<sup>th</sup> St., Tulsa, OK 74107. (918) 561-8468. Email: [julee.wells@okstate.edu](mailto:julee.wells@okstate.edu)  
**OSU COM Site:** <http://www.healthsciences.okstate.edu/com/admissions/options.php>

**For more information about the application process, visit:** [www.aacom.org/become-a-doctor/applying](http://www.aacom.org/become-a-doctor/applying)