

PRE-PHARMACY ADVISEMENT WORKSHEET 2019-2020

University of Oklahoma College of Pharmacy

University of Central Oklahoma

Health Professions Advisor

Department of Biology

200 Howell Hall

(405) 974-5733

Required Courses for the OUHSC Pharmacy Program

(With a grade of "C" or above)

ENG 1113	English Composition
ENG 1213	English Composition and Research
MATH 2153	Bio-Calculus OR MATH 2313 Calculus I
CHEM 1103	General Chemistry I
CHEM 1112	General Chemistry I Recitation/ Laboratory
CHEM 1223	General Chemistry II
CHEM 1232	General Chemistry II Recitation/Laboratory
CHEM 3303	Organic Chemistry I
CHEM 3312	Organic Chemistry I Lab
CHEM 3323	Organic Chemistry II
PHY 1114	General Physics I
PHY 1114L	General Physics I Laboratory
CHEM 3403	Biochemistry I (not required but highly recommended)

12-13 hours of Biology, including Microbiology (See recommended courses listed below):

BIO 1204	Biology for Majors: Principles
BIO 1225	Biology for Majors: Diversity
BIO 2203	Cell Biology
BIO 3054	Microbiology for Majors OR BIO 2314 Intro to Microbiology & Lab
BIO 2504	Human Anatomy
BIO 2604	Human Physiology with BIO 2604L Human Physiology Lab
BIO 4515	Pathogenic Microbiology & Immunology

24 Elective hours from the following:

Fine Arts (non-performance based), History, Political Science, Anthropology, Humanities, Geography, Philosophy, Literature, Social Science, Psychology, Sociology, Leadership, Foreign Language, Communications, English, Business, Computer Science, and Statistics. Students are expected to have a computer proficiency level at or above basic word processing skills. Students are encouraged to select a diverse set of courses as preference is given to those with a broad-based educational background that includes a diversity component.

All prerequisite coursework must be completed at a regionally accredited U.S. college or university or if taken outside the U.S., a World Education Services course-by-course evaluation must be provided.

It's recommended that applicants successfully complete a biochemistry course, upper-level sciences, human anatomy and physiology, statistics, and/or have received a bachelor's degree.

All applicants must be a U.S. citizen, permanent resident or hold DACA status at the time of application.

APPLICATION REQUIREMENTS: Applicants are considered only for fall semester admission. Admission to the program requires completion of prerequisite course work and submission of all application materials. (It is strongly recommended that all pre-pharmacy core courses be completed before June 1 of the application year). There is an Early Decision Process for students who have all application materials complete by Labor Day each year, and who are willing to commit to OU if accepted out of an October Interview. All remaining applicants who have satisfied all requirements and have their application on file may be invited for a personal interview after October. (Interview invitations do not insure acceptance to program.) Deadline for application is **June 1st** for the fall of the following year. However, applicants are interviewed and considered on a rolling basis, so applying early is advantageous. Residents of Oklahoma are given preference in the selection process. To be considered for admission to the College of Pharmacy the following apply:

1. Applicant must have successfully completed, or be in the process of completing, a minimum of 64 semester hours of approved courses from any regionally accredited U.S. college or university. All of the required Pre-Pharmacy courses should be completed by August 5 preceding planned fall enrollment at the College of Pharmacy.
2. Applicant must be in good standing with the college or university last attended.
3. Applicant must submit a completed PharmCAS application, a College of Pharmacy supplemental application, official transcripts from all colleges attended, PCAT score, and two (2) letters of recommendation.
4. Minimum grade point average required for application is 2.5 on a 4.0 scale; a grade of "C" or better is required in all required pre-pharmacy courses. Admission is limited and a GPA significantly greater than 2.5 is necessary to be competitive. **GRE (min. 300) or MCAT (min. 500) can substitute for PCAT. The most recent attempt at a course will be used to calculate the pre-requisite GPA and last 60 hr GPA.**
5. Residents of states other than Oklahoma must pay nonresident tuition, which is higher than for Oklahoma residents who receive priority in the admissions
6. process.
7. A minimum TOEFL score of 550 paper-based or 79 internet-based is required for individuals for whom English is a second language.
8. Applicants for admission will be required to take the PCAT (Pharmacy College Admissions Test). To register: <http://www.pcatweb.info>
9. Applicants must be either a U.S. citizen, a U.S. permanent resident, or hold DACA status at the time of application.

A recently admitted class had the following academic averages: 64 Admitted | 3.41 Cumulative GPA | 3.22 Avg. Science GPA | 3.57 Pre-Requisite GPA | PCAT Avg. = 63 percentile | 39% completed with a Bachelor's degree or above.

PRE-PHARMACY

The pharmacist plays a vital role in the delivery of quality health care. As an expert in the action and use of drugs, the pharmacist serves as the primary source of pharmaceutical care for individual patients. Pharmacists provide drug products, drug information, therapeutic consultations, patient monitoring, and other pharmacy services in a variety of different settings. Some of the areas are:

The Community Pharmacy is the most accessible source of health care services in the country. The community pharmacist provides prescription and over-the-counter medications as well as vital drug and health care information.

The Hospital Pharmacy provides a setting for the pharmacist to work closely with physicians, nurses, and other professionals. In addition to the regular dispensing and consulting activities, hospital pharmacists are often involved with specialized programs, pharmacokinetic services and other specialized services.

Pharmaceutical Industry provides many different opportunities for pharmacists in research and development, production and quality control, marketing and sales, regulatory affairs and management.

The Federal Government employs pharmacists in a variety of positions in the Public Health Service, Veterans Administration, Food and Drug Administration and Armed Services (Army, Navy, and Air Force).

There are currently five board-certified specialties in pharmacy: Oncology, Nuclear Pharmacy, Pharmacotherapy, Psychiatric and Nutrition. Pharmacists in these areas usually must complete an advanced degree and/or residency. However, there are many residency opportunities for those interested in clinical pharmacy. Some areas available at OU include ambulatory care, oncology, pediatrics, cardiology, infectious diseases and community pharmacy among others.

OPPORTUNITIES: Employment of pharmacists is expected to grow faster than the average for all occupations, mainly due to the increased pharmaceutical needs of a larger and older population. Other factors include the likelihood of scientific advances that will make more drug products available for the prevention, diagnosis, and treatment of disease; new developments in administering medication; and well-informed consumers, increasingly sophisticated about health care and avid for detailed information about drugs and their consequences. The increased severity of the typical hospital patient's illness, together with rapid strides in drug therapy, is likely to heighten demand for clinical pharmacists in hospitals, HMO's and other health care settings. The job outlook for pharmacists is expected to be excellent.

STARTING SALARIES: According to the Bureau of Labor Statistics, the median annual salary for Pharmacists is **\$126,120**.

Contents of this publication are subject to revision without notice. The provisions of this publication do not constitute a contract, expressed or implied between any applicant, student, or faculty member of the College of Pharmacy or UCO.

For more information about Pharmacists and Pharmacy programs: <http://www.aacp.org>

For Pharmacy Information from the University of Oklahoma visit <http://pharmacy.ouhsc.edu/> or contact: Jennifer Richardson

Jennifer-richardson@ouhsc.edu, or call (405) 271-2563. Email: OUPharmD@ouhsc.edu

OU Pharmacy Application Site: <https://pharmacy.ouhsc.edu/programs/doctor-of-pharmacy/admission> and <http://www.pharmacas.org>