

PRE-PHARMACY ADVISEMENT WORKSHEET 2019-2020
SOUTHWESTERN OKLAHOMA STATE UNIVERSITY

University of Central Oklahoma
Health Professions Advisor
Department of Biology
200 Howell Hall
(405) 974-5017

Southwestern Oklahoma State University has approved the following list of courses at our institution that meet requirements for admission to the Doctor of Pharmacy degree program. These courses must be completed with the grade of 'C' or better. If you have any questions regarding prerequisites, please meet with an academic advisor in the Night Advisement Center. If you have specific requests regarding biology prerequisites being waived, please contact the Biology Department Chair.

UCO Courses that Meet Required Courses for SWOSU (check all course prerequisites):

ENG 1113 English Composition
ENG 1213 English Composition & Research
PSY 1103 General Psychology
POL 1113 American Federal Government
HIST 1483 U.S. History to 1877 **OR** HIST 1493 U.S. History Since 1877
HIST 1013 World History I **OR** HUM 1012 Fundamentals of Humanities
CMSC 1053 Professional Computer Applications & Problem Solving
ECON 2203 Principles of Macroeconomics
MCOM 1113 Fundamentals of Speech
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
CHEM 3332 Organic Chemistry II Lab
PHY 1114 General Physics I
PHY 1114L General Physics I Laboratory
CHEM 3403 Biochemistry I (not required but highly recommended)
BIO 1204 Biology for Majors: Principles
BIO 1225 Biology for Majors: Diversity
BIO 2504 Human Anatomy & Lab
BIO 3054 Microbiology for Majors
3 Hours of Fine Arts Electives

Students may apply for admission into the SWOSU Pharmacy professional program for the fall and spring semesters. Applications for admission into the professional program for **fall** semesters should be submitted by the previous **February 1st**. Applications to the professional program for the **spring** semester should be submitted by **September 1st**. Selection for admission is competitive; 50 students for the fall classes and 35 students for the spring classes are selected.

ADMISSION REQUIREMENTS:

1. A minimum of 58 semester hours from the list of the required pre-pharmacy courses
2. Completion of all pre-pharmacy biology, chemistry, mathematics, and physics courses; Organic Chemistry II & Organic Chemistry II Lab & Microbiology must have been completed within seven years of the semester for which an applicant is seeking admission. All pre-professional requirements not completed prior to admission to the professional Pharm.D. program must be completed within one calendar year of the date of admission.
3. A minimum cumulative GPA of 2.50, but SWOSU advises that a 3.25 or above is usually competitive.
4. Submission of valid ACT or SAT scores
5. Submission of Pharmacy College Admission Test (PCAT) scores from PCAT test taken within 3 years of the date of application. Fall applicants should take the exam by January of that year. Spring applicants should take the exam by July of the year prior. To register: <http://tpc-etesting.com/pcat/>

Applications must be submitted on standardized forms supplied by the College of Pharmacy. Application forms are not available online. Forms, application deadlines, and further information may be obtained from the Pharmacy Admissions Counselor. Incomplete, late, or improperly prepared applications will not be processed. All admissions are subject to any conditions specified in the admission letter and other correspondence from the College of Pharmacy.

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: <https://www.pharmacist.com/>

For Pharmacy information from Southwestern Oklahoma State University contact: Ms. Lyanna Schultz, Admissions Counselor, College of Pharmacy, Southwestern Oklahoma State University, Weatherford, Ok 73096. (580) 774-3127.

Email: lyanna.schultz@swosu.edu

SWOSU Pharmacy Site: <https://bulldog.swosu.edu/academics/pharmacy/index.php>