



and social sciences to prepare the graduate for careers in academic, ambulatory, community, industrial and institutional settings.

In addition to meeting minimum course grade requirements, students must meet programmatic requirements for graduation which may include but not be limited to attendance at student convocations, participation in professional development programs, co-curricular requirements and successful completion of progression and/or competency exams. The curriculum prepares all students to provide entry-level, patient-centered care in a variety of practice settings as a contributing member of an interprofessional team. The didactic and experiential curricula include opportunities for students to learn about, from, and with other members of the interprofessional healthcare team.

**PhD Program:**

The Doctor of Philosophy degree in Pharmacy is awarded by the Graduate School through the College of Pharmacy. Students must select a major specialization from among the areas of Medicinal Chemistry, Pharmaceutics, Pharmacology, and Toxicology. The program leading to the degree normally shall be the equivalent of not less than three years of graduate study beyond the baccalaureate degree.

After admission to the degree program by the Graduate School, the student is referred to the School Graduate Coordinator in his area of interest. The School Graduate Coordinator may assist the student in the selection of course work for the first semester or assign the student to a temporary major professor for initial advising. During the first semester of enrollment, the

Original research is an integral part of the Doctor of Philosophy program. As soon as possible, but not later than the second regular semester of enrollment, the student with his advisory committee must file an approved dissertation topic with the School Graduate Coordinator. The graduate advisory committee shall consist of not less than four approved members of the graduate faculty and be mutually acceptable to the student and the committee members, including the major professor. The committee members must be representative of the general field of study in which the student expects to perform his/her

hours of didactic elective courses which the dual degree student can use to complete some of the required coursework for the PhD degree. In addition, the following PharmD courses have graduate counterparts which will allow the student to apply PharmD course credit towards the PhD degree. Should the student desire to pursue the PhD degree, he or she should register for the graduate equivalent of the PHRD course to receive credit in the graduate program. Since most of these courses are contained in the P1 year, students are encouraged to plan ahead with regard to course selection.

Doctor of Pharmacy (PharmD) Courses:

PHRD 4002	Principles of Drug Action I	4 credit hours
PHRD 4012	Pathophysiology I	3 credit hours
PHRD 4033	Drug Information Retrieval	3 credit hours
PHRD 4027	Principles of Drug Action II	2 credit hours
PHRD 4035	Pathophysiology II	3 credit hours
PHRD 4052	Research Methods and Literature Evaluation	3 credit hours
PHRD 4056	Biopharmaceutics and Pharmacokinetics	3 credit hours
PHRD 5064	Problems	1-9 credit hours

Doctor of Pharmacy (Graduate PhD) Courses:

PHAR 5139	Molecular and Theoretical Foundations	4 credit hours
PHAR 5016	Pathophysiology I	3 credit hours
PHAR 5033	Drug Information Retrieval	3 credit hours
PHAR 5027	Principles of Drug Action II	2 credit hours
PHAR 5036	Pathophysiology II	3 credit hours
PHAR 5053	Research Methods and Literature Evaluation	3 credit hours
PHAR 5013	Pharmacokinetics	3 credit hours
PHAR 5059	Problems	1-9 credit hours

Upon graduation from the PharmD program, the student will complete the remainder of the graduate coursework and conduct research for the dissertation and other research requirements of the program.

**Application Process:**

**1. Prerequisite Requirements:**

- a. Current enrollment in the PharmD program.
- b. Good standing and successful completion of the first year PharmD program with a minimum cumulative professional GPA of 3.5 and receipt of the Bachelor of Pharmaceutical Sciences (BSPS) degree or other previous undergraduate degree.  
*The requirement of the GRE is waived for PharmD students due to successful completion of the PCAT exam.*
- c. Complete and submit the Pharmacy-PhD Application through PharmGrad.
- d. Obtain signature approvals from the College of Pharmacy Associate Dean for Academic Affairs and the Director of Graduate Studies to validate a student applicant meets qualifications for the combination degree program.

**2. Other Requirements:**



- h. **Completion of PharmD and PhD degrees** – The student will not be able complete the PhD degree at the same time as the PharmD degree due to the requirements of the PhD degree. The student also may not complete the PhD degree prior to completing the PharmD degree.

  - ◁ The student must apply to the Graduate School for re-entry into the Graduate School and Pharmacy PhD program and submit the Graduate School application fee upon graduating with the PharmD degree. The application process should be completed during the spring of the P4 year.
- i. **Stipends** A research or teaching stipend may be available after completion of the PharmD degree and upon acceptance into the Graduate Program. The student should consult their major professor or Director of COP Graduate Studies. 7(a)7(r.)JTET@.00000