Degree Requirements and Core Curriculum for the Graduate Program in Pharmaceutical Sciences

Pharmaceutical Sciences Required Core Curriculum

GPSC 5610 Biochemistry (6)
GPSC 5390 Research Design and Analysis (3)
GPSC 5304 Principles of Drug Action (3) – Prerequisite: Biochemistry
GPSC 5335 Physiology-based Pharmacology Pt. 1 (3) – Prerequisite: Principles of Drug Action
GPSC 5336 Physiology-based Pharmacology Pt. 2 (3)
GPSC 5210 Graduate Pharmaceutics Pt. 1 (2)
GPSC 5211 Graduate Pharmaceutics Pt. 2 (2)
GSBS 5101 Responsible Conduct of Research (1)
GPSC 7101 Pharmaceutical Sciences Seminar (1 ea semester of enrollment) (8 hrs)

Ph.D. Requirements

Ph.D. candidates are required to complete:

Didactics (48 hrs) + Research (12 hrs) + Dissertation (12 hrs) = Total (72 hrs)

Ph.D. candidates must complete the Core Curriculum for the Pharmaceutical Sciences Department (approximately 31 hours; **note: students must take Pharmaceutical Sciences Seminar each Fall and Spring semesters they are enrolled**. Ph.D. students must take an additional 17 hours (minimum) of elective didactic course work to complete the 48 hours of didactic study that is required. Students will be allowed to take a maximum of 3 credit hours of Independent Study for didactic credit in place of an elective *after their first two years of study* have been completed.

Students who are permanently assigned to a lab, on the advice of their advisor, will be allowed to take rotation outside of their assigned lab for didactic elective credit. A rotation within the assigned lab is considered research and would not count toward didactic credit.

Students entering in the Fall term are advised to take core curriculum in the following order:

	Fall	Spring
1st Year	Biochemistry	Principles of Drug Action
	Research Design & Analysis	Elective Coursework
	Pharm Sci Seminar	Pharm Sci Seminar
2nd Year	Physiology-based Pharmacology, pt. 1	Physiology-based Pharmacology, pt. 2
	Graduate Pharmaceutics, pt. 1	Graduate Pharmaceutics, pt. 2
	Responsible Conduct of Research	Pharm Sci Seminar
	Pharm Sci Seminar	

Students entering in the Spring term are advised to begin the program with Graduate Pharmaceutics, then pick the schedule up in the Fall with Biochemistry.

Any requests for exceptions to the Core Curriculum for the Pharmaceutical Sciences Department as outlined for the Ph.D. degree must be submitted to the Graduate Program Advisor by the student and their major advisor. The Graduate Program Advisor will make decisions for such requests in consultation with Core Course Team Leaders who will ascertain the student's knowledge of the required material.

Masters Requirements

Masters candidates are required to follow the Core Curriculum for the Pharmaceutical Sciences Department as outlined for the Ph.D. degree, with the following adjustments for the shorter time of study and hours required for the M.S. degree:

Masters candidates are required to complete:

Didactics (24 hrs) + Research (6 hrs) + Thesis (6 hrs) = Total (36 hrs)

Of the 24 didactic hours necessary to complete a Masters degree, candidates are required to complete the following Core Curriculum courses:

Research Design and Analysis (3cr)
Responsible Conduct of Research (1cr)
Pharmaceutical Sciences Seminar (4cr) Total (8cr) of required coursework

Masters candidates are required to choose (with the approval of their major advisor) 16 additional hours of Core Curriculum course work:

Biochemistry (6cr)
Graduate Pharmaceutics (4cr)
Physiology Based Pharmacology (6cr)
Principles of Drug Action (3cr)
Elective Coursework (as listed for Ph.D.) (3cr)

Electives and Independent Studies are in addition to the 24 hours of Core Curriculum didactic study, not in lieu of.

Any requests for exceptions to the Core Curriculum for the Pharmaceutical Sciences Department as outlined for the M.S. degree must be submitted to the Graduate Program Advisor by the student and their major advisor. The Graduate Program Advisor will make decisions for such requests in consultation with Core Course Team Leaders who will ascertain the student's knowledge of the required material.

Elective Study

Elective study is defined by the Graduate Program Committee as any course of study other than core curriculum that is offered by the Graduate Program in Pharmaceutical Sciences for the benefit of any GPPS graduate student.