

Program Overview

Pharmaceutical Chemistry Concentration

Congratulations on your acceptance to the Master of Science in Pharmacy with a concentration in Pharmaceutical Chemistry! As a new student we expect that you are eager to begin mapping out your journey. Use this document and the planning tool to do just that!

Please read all the requirements below that you must follow on the road to graduation. If you have questions about course content or course order, contact your academic advisor, Dr. Oliver Grundmann, at grundman@ufl.edu. If you have questions about registration, admission, or anything else, contact [dessa@ahc.ufl.edu](mailto:dess@ahc.ufl.edu).

Core-Required Courses

Core-Required Courses must be completed before your final semester and must be completed before the Required Course.

Course #	Course Title	Credits	Spring	Summer	Fall
PHA6432	Fundamentals of Pharmaceutical Chemistry	1	x	x	x
PHA6444	Pharmaceutical Chemistry 1	3	x	x	
PHA6543	Pharmaceutical Chemistry 2	3		x	x
PHA6417	Pharmaceutical Analysis 2	3	x		x
VME6766	Laboratory QA/QC	3	x	x	x

Required Course

This Required Course must be taken in in the final semester. Plan to take one Elective Course with the Required Course.

Course #	Course Title	Credits	Spring	Summer	Fall
PHA6936	Special Topics in Pharmaceutical Chemistry (online using ProctorU)	1	x	x	x

Elective Courses

At least 18 elective credits must be taken in addition to the above 14 credits. Only 18 credits are required from the elective course list and can be taken in any order. Elective Courses can be taken in any order and any semester. Plan to take one Elective Course with the Required Course: Special Topics in Pharmaceutical Chemistry.

Course #	Course Title	Credits	Spring	Summer	Fall
PHA6936	Literature survey in Pharmaceutical Chemistry	2	x	x	x
PHA6535	Principles of Nucleotide Activity	2	x	x	x
PHA6935	Metabolic Biochemistry	3	x		x
PHA6935	Organic Structure Elucidation	3	x		x
PHA6935	Applied Statistics for Data Analysis	3	x	x	x
PHA6471	Synthetic Medicinal Chemistry	3	x		x
PHA6354	Natural Medicinal Products	3	x		x
PHA6357	Herbal & Dietary Supplements	3		x	x
PHA6425	Drug Biotransformation & Molecular Mechanisms of Toxicity	3	x		x
VME6650	Mammalian Pharmacology	4		x	x

Graduation

- Students graduating in the Fall/Spring must take at least 3 credits in the final semester and should plan to take an Elective Course in addition to Special Topics. Students graduating in the Summer must take at least 2 credits in the final semester and should plan to take an Elective Course in addition to Special Topics.
- 32 credits are required to complete the degree.
- Only courses completed with a grade of C or higher can be counted toward the degree.
- You must maintain both an overall GPA and major GPA of a 3.0 or higher to graduate.
- Upon completion of the program, graduates will earn a Master of Science in Pharmacy with a major in Pharmaceutical Sciences and a concentration in Pharmaceutical Chemistry issued by the Graduate School of the University of Florida. Your transcript will read Master of Science in Pharmacy, graduation date, major Pharmaceutical Sciences, concentration Pharmaceutical Chemistry. Your diploma will read Master of Science in Pharmacy major Pharmaceutical Sciences.