



November 16, 2015

Janice Blum, Ph.D.
Associate Vice Chancellor for Graduate Education at IUPUI
Associate Dean of the University Graduate School
Indiana University

Dear Dr. Blum,

I am writing to request approval by the Graduate Affairs Committee for the changes in the curricula and admission process of our master's program in Pharmacology and Toxicology. These changes have been approved by the departmental Admission/Advisory committee and the new requirements and curricula are detailed in the attached documents. The admission requirements and process were changed in early 2014 with approval by the Admission/Advisory committee of the department. However, it was probably never submitted to GAC for approval due to an oversight. Based on the new admission criteria, we also had to modify the curricula for our master's programs since the students no longer need to do rotations since they would have selected a mentor before admission. This change has also recently been approved the Departmental Admission/Advisory committee chaired by Dr. Grant Nicol.

Thank you very much for your time concerning this request. Please let me know if you have any question regarding this request.

Sincerely yours,

Jian-Ting Zhang, Ph.D.
Professor of Pharmacology and Toxicology
Andrew and Peggy Thomson Chair in Hematology/Oncology
Director of Graduate Studies in Pharmacology and Toxicology

Cc:

Bryan Yamamoto, Ph.D., Chair, Department of Pharmacology and Toxicology, IUSM
Randy Brutkiewicz, Ph.D., Associate Dean for Graduate Studies, IUSM

Admission Requirements

We accept MS students on a very limited basis. These degree offerings are mostly reserved for students who have started on the PhD course of study and who, for a variety of reasons, find they must end their studies before they complete their Doctorate. Students desiring only a master's-level program must first find a faculty member in the Department who is willing to act as mentor and provide financial support. Only after the student obtains this consent from a faculty member in the department would the student's application be evaluated.

Curricula

The curricula for the M.S. in the Pharmacology and Toxicology Graduate Programs are detailed on below. Students must maintain a grade point average (GPA) no less than 3.0, and must not receive a grade lower than a B (3.0) in any required class (including laboratory rotations and elective courses).

When students start their MS research, they should form a Thesis Committee comprised of at least three faculty members. The members of this committee should be selected by the student and the student's mentor, based on the expertise required to facilitate the student's research project. Please note that at least two members of the Thesis Committee must be primary faculty members from the Department of Pharmacology and Toxicology and a primary faculty other than the mentor shall serve as the administrative chair of the committee. Students are responsible for holding a minimum of TWO Thesis Committee meetings per year. It is the student's responsibility to schedule these meetings, reserve a conference room, set up for the meetings, and clean up following the meetings.

M.S. Curriculum in Pharmacology

A minimum of 30 hours is required to fulfill the graduate requirements for an M.S. in Pharmacology. All M.S. students will be required to take a minimum of 15 hours of coursework, of that, 4 hours will be the research course F825 in the first year, and a minimum of additional 15 hours of research and seminar.

Year 1

Fall Semester	Biomedical sciences courses (G715, G716, G717)*	3-6 Cr**
	G715 Biochemical Basis of Biological Processes	
	G716 Molecular Biology & Genetics	
	G717 Cellular Basis of Systems Biology	
Spring Semester	F825 Research in Pharmacology	2 Cr
	G747 Principles of Pharmacology	1 Cr
	G748 Principles of Toxicology	1 Cr
	Electives***	2 Cr
Summer Semester	F825 Research in Pharmacology	2 Cr
	F825 Research in Pharmacology	5 Cr

Year 2

Fall Semester	F818 Principles of Medical Pharmacology	3 Cr
	F830 Seminar in Pharmacology	1 Cr
	Electives***	1 Cr
	F825 Research in Pharmacology	6 Cr
Spring Semester (and onward)	F825 Research in Pharmacology	1-6 Cr

* The course(s) to be taken will be decided by the Graduate Student Advisor on an individual student basis

** Two Biomed courses may be taken, if appropriate for the student

***Students should consult their mentors to determine if electives are necessary and what electives best fit each individual course of study.

M.S. Curriculum in Toxicology

A minimum of 30 hours is required to fulfill the graduate requirements for a M.S. in toxicology. All M.S. students will be required to take a minimum of 15 hours of coursework, of that, 4 hours will be the research course F825 in the first year, and a minimum of additional 15 hours of research and seminar.

Year 1

Fall Semester	Biomedical sciences courses (G715, G716, G717)*	3-6 Cr**
	G715 Biochemical Basis of Biological Processes	
	G716 Molecular Biology & Genetics	
	G717 Cellular Basis of Systems Biology	
	F812 Research in Toxicology	2 Cr
Spring Semester	G747 Principles of Pharmacology	1 Cr
	G748 Principles of Toxicology	1 Cr
	Electives***	2 Cr
	F812 Research in Toxicology	2 Cr
Summer Semester	F812 Research in Toxicology	5 Cr

Year 2

Fall Semester	F818 Principles of Medical Pharmacology	3 Cr
	F826 Seminar in Toxicology	1 Cr
	Electives***	1 Cr
	F812 Research in Toxicology	6 Cr
Spring Semester (and onward)	F812 Research in Toxicology	1-6 Cr

* The course(s) to be taken will be decided by the Graduate Student Advisor on an individual student basis

** Two Biomed courses may be taken if appropriate for the student

***Students should consult their mentors to determine if electives are necessary and what electives best fit each individual course of study.