M.S./Ph.D. Program - Pharmacology and Toxicology

August Orientation

Fall semester First year

Spring semester First year

Summer after 1st year

Fall semester Second year

Spring/Summer Second year

Years 3 & 4 (& 5 if needed)

Final semester

Welcome to Department
Diagnostic Exam
Orientation:

- Certifications and Training
- Meet potential mentors
- Overview of courses and program

Annual pictures and picnic
Diagnostic Exam Review

Lab rotations I & II

vi of rotations 1 & 2

Attend departmental seminars

Choose potential mentor
Brief research presentation

end of rotations 1 & 2

Brief Research Report due end

Written qualifying exam I (end

Lab rotation III & IV (if needed)

Finalize mentor choice
Attend departmental seminars

Present mini-seminar

Brief Research Report (due end of semester)

Written qualifying exam II (end) of semester)

Concentrated research

Attend departmental seminars

Submit summer research abstract to Research!Louisville

Form Research Committee

Present summer research poster at Research!Louisville

Brief research presentation (end of semester)

Brief Research Report (due end of semester)

Written qualifying exam III (end of semester)

Attend departmental seminars

Register as Masters Candidate

Apply for M.S. degree

Attend departmental seminars

Submit MS Thesis and
Dissertation Research Proposal
to Committee two weeks before

M.S. defense/Dissertation
Proposal defense/Doctoral oral
qualifying exam

Revise thesis and/or proposed doctoral research plan if needed

Submit thesis to SIGS

Awarding of M.S. degree

Register as Doctoral Candidate

Concentrated research

i Meet with Research Committee at least annually

Attend departmental seminars

Annual presentation of research at Research!Louisville and at regional/national meetings

Write up and publish papers

Apply for Ph.D. degree

Finalize dissertation in concert with your mentor

Submit dissertation to Research Committee two weeks before defense

Ph.D. Defense

Revise dissertation if needed

Get Committee signatures and submit dissertation to SIGS

Conferring of Ph.D. degree

CONGRATULATIONS!!

Required didactic

Progress

and

Benchmarks

Other courses

Pharmacology I (3)

Biochemistry I (4)

Toxicology I (3)

Physiological Concepts for Pharmacology (2)

Rotations/Research (1)

Seminar (1) - pass/fail

Pharmacology II (3)

Cell Biology (3)

Toxicology II (3)

Research Ethics (1)

Rotations/Research (1)

Seminar (1) - grade

Biochemistry II (4)

Data Analysis (2)

Electives ()

Research (4)

Scientific Writing (2)
Left Electives (X)

Electives (X)

Research (9-X)

Seminar (1) – pass/fail