



The University of Georgia

University Council
Athens, Georgia 30602

March 17, 2017

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Graduate Student Representative – Ms. Ashley E. Fallaize

Dear Colleagues:

The attached proposal from the College of Pharmacy for the following new areas of emphasis under the major in Pharmacy (M.S.) will be an agenda item for the March 24, 2017, Full University Curriculum Committee meeting:

Area of Emphasis in Pharmaceutical and Health Services, Outcomes, and Policy
Area of Emphasis in Clinical and Experimental Therapeutics

Sincerely,

Alison F. Alexander, Chair
University Curriculum Committee

cc: Provost Pamela S. Whitten
Dr. Rahul Shrivastav

Committee on Facilities, Committee on Intercollegiate Athletics, Committee on Statutes, Bylaws, and Committees, Committee on Student Life, Curriculum Committee, Educational Affairs Committee, Executive Committee, Faculty Admissions Committee, Faculty Affairs Committee, Faculty Grievance Committee, Faculty Post-Tenure Review Appeals Committee, Faculty/Staff Parking Appeals Committee, Human Resources Committee, Program Review and Assessment Committee, Strategic Planning Committee, University Libraries Committee, University Promotion and Tenure Appeals Committee

An Equal Opportunity/Affirmative Action/Veteran/Disability Institution



UGA Clinical & Administrative Pharmacy

Pharmaceutical Health Services, Outcomes, and Policy (PHSOP) – Masters Curriculum

M.S. PROGRAM OVERVIEW

Students wishing to enter this competitive program of study leading to the Master of Science degree in Pharmaceutical Health Services, Outcomes, and Policy (PHSOP) must possess either a bachelor's degree (BS or BA), a Doctor of Pharmacy degree, or related health profession degree, such as a BSN, MD, PA, or NP. While the program is open to a broad range of backgrounds, candidates with a background in pharmacy or employed in the pharmaceutical or other healthcare sectors are preferred. Students without prior experience in the field of pharmacy or the pharmaceutical sector may obtain admission with the provision that remedial non-credit course work may be required to acquaint them with the profession and problems of pharmacy practice in the United States. The applicant must also satisfy the requirements of the University of Georgia Graduate School prior to admission to the program.

The program of study for the M.S. degree must include: 1) at least 3 hours of thesis research, 2) a total of not less than 27 semester hours of graduate courses, excluding thesis research and writing, and 3) at least 12 of the 27 hours must be in courses open only to graduate students. In addition, students are required to take PHSOP Seminar (PHRM 8620) during all fall and spring semesters. A master's degree will typically take 1-2 years to complete; however, part-time students must fulfill all requirements for the master's degree within a 6-year time limit beginning with the first registration for graduate courses listed on the program of study.

Program Administration and Contacts:

Program Director

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Graduate Coordinator

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Graduate Program Assistant

Ms. Annelie Klein

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**PHSOP Master's Program Curriculum
Example**

Year 1 – Fall Semester

Course Number	Course Name	Credit Hours
PHRM 8640	Research Methods in Pharmacy Care Administration	3
PHRM 8620	Pharmacy Care Administration Seminar	1
PHRM 8630	Health Care Systems (<i>Elective Course</i>)	3
STAT 6210	Introduction to Statistical Methods I	3
PHRM 7000	Master's Research	5
		15 Total Credit Hours

Year 1 – Spring Semester

Course Number	Course Name	Credit Hours
PHRM(HADM) 8670	Economic Evaluation in Health Care	3
PHRM 6750	Pharmacy and the United States Health Care System	3
PHRM 8620	Pharmacy Care Administration Seminar	1
STAT 6220	Introduction to Statistical Methods II	3
PHRM 7000	Master's Research	5
		15 Total Credit Hours

Year 2 – Fall Semester

Course Number	Course Name	Credit Hours
PHRM 8690	Health Outcomes	3
PHRM 8620	Pharmacy Care Administration Seminar	1
BIOS(PHAR) 7100E	Biostatistical Applications for the Pharmaceutical and Biotechnology Industries (<i>Elective Course</i>)	3
STAT 4230/6230	Applied Regression Analysis	3
PHRM 7000	Master's Research	5
		15 Total Credit Hours

Year 2 – Spring Semester

Course Number	Course Name	Credit Hours
PHRM 8620	Pharmacy Care Administration Seminar	1
STAT 8200	Design of Experiments for Research Workers	3
PHRM 7000	Master's Research	8
PHRM 7300	Master's Thesis	3
		15 Total Credit Hours



UGA Clinical & Administrative Pharmacy

Clinical and Experimental Therapeutics (CET) – Masters Curriculum

The Master of Science in Clinical and Experimental Therapeutics (MCET) program provides multiple options for candidates to choose between a 1-year (non-thesis) and a 2-year (thesis) curriculum, which augments student development for multiple career opportunities in clinical practice or research. Core and elective courses within the MCET program would foster successful completion of PharmD or MD training programs. Current UGA College of Pharmacy students can pursue a 1-year master's (non-thesis) during P3 or P4 years or complete an additional year post-PharmD for a dual PharmD/MS degree. MCET program is also suitable for BS graduates looking to improve their chances for admission to a Pharmacy or Medical School (Year 1 curriculum) and for post-graduate trainees (PGY1 or PGY2 residents) who seek initiating an independent research program in academia (Year 2 curriculum).

Program Administration and Contacts:

Program Director

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Graduate Program Assistant

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A student in a 2-year MS program will take the following courses:

Year 1

- **Fall Semester (14 CR):**

PHRM 8600 Drug Targets in Signal Transduction Pathways (3 CR)

PHRM 8080 Grantmanship (3 CR)

PHRM(HPAM) 7230 Ethical Issues in Research (3 CR)

PHRM 8730 Clinical Seminar/Journal Club (1 CR)

PHRM 8700 Advanced Therapeutics I (4 CR)

- **Spring Semester (13 CR):**

PHRM 8750 Methods in Experimental Therapeutics (1 CR)

PHAR7100E Biostatistical Applications for the Pharmaceutical
and Biotechnology Industries (3 CR)

or Augusta University's STAT7070 (3 CR)

PHRM 8710 Advanced Therapeutics II (4 CR)

PHRM 8730 Clinical Seminar/Journal Club (1 CR)

PHRM 8740 Introduction to Research in CET (4 CR)

- **Summer Semester (3 to 12 CR):**
PHRM 7000 Master's Research (1-9 CR)

Possible Electives:

PHRM 7080 Pharmaceutical Sciences Internship (10 CR)

PHRM 7500 Introduction to Clinical Therapeutics (rotations) (2 CR)

Year 2

- **Fall Semester (12 CR):**
PHRM 7000 Master's Research (10 CR)
PHRM 8730 Clinical Seminar/Journal Club (1 CR)
PHRM 8750 Methods in Experimental Therapeutics (1 CR)

- **Spring Semester (12 CR):**
PHRM 7000 Master's Research (7 CR)
PHRM 8730 Clinical Seminar/Journal Club (1 CR)
PHRM 8750 Methods in Experimental Therapeutics (1 CR)

- **Summer Semester (12 credit hours):**
PHRM 7300 Master's Thesis (8-12 CR)

Possible Elective:

PHRM 7500 Introduction to Clinical Therapeutics (rotations) (2 CR)

A student in a 1-Year MCET Curriculum will take the following courses:

- **Fall Semester (14 CR):**
PHRM 8600 Drug Targets in Signal Transduction Pathways (3 CR)
PHRM 8080 Grantmanship (3 CR)
PHRM(HPAM) 7230 Ethical Issues in Research (3 CR)
PHRM 8730 Clinical Seminar/Journal Club (1 CR)
PHRM 8740 Introduction to Research in CET (4 CR)
- **Spring Semester (14 CR):**
PHRM 8750 Methods in Experimental Therapeutics (1 CR)
PHRM 7100 Biomedical Statistics (3 CR)**
PHRM 8710 Advance Therapeutics II (4 CR)
PHRM 8730 Clinical Seminar/Journal Club (1 CR)
PHRM 5901 APPE I (5 CR)
- **Summer Semester (4 to 9 CR):**
PHRM 7000 Master's Research (4-9 CR)

College of Pharmacy
Clinical & Administrative Pharmacy

February 23, 2017

Suzanne Barbour, Ph.D.
Dean, Graduate School
University of Georgia
Athens, GA 30602

Dear Dean Suzanne Barbour,

The faculty of Clinical and Administrative Pharmacy's masters programs Pharmaceutical and Health Services, Outcomes, and Policy (PHSOP), and Clinical and Experimental Therapeutics (CET), are requesting that each program separately listed as an Area of Emphasis in Banner. The program faculty vote was unanimously in favor of this change (Yes-10/No-0).

Currently, these programs are combined in Banner. This causes the department's Student Affairs Specialist, Annelie Klein, to view all Masters in Pharmacy applicants, including Pharmaceutical and Biomedical Science's (PBS) applicants. PBS is a separate department. By creating two separate areas of emphasis for Clinical and Administrative Pharmacy, it will reflect the differences as well as the scope of each program. The new Area of Emphasis will also increase national and international visibility to interested applicants, highlight the diversity of our programs and faculty, as well as provide clarity for applicants when applying to them as specific Area of Emphasis, rather than combined.

Each program would like to make this change by Fall Semester 2017.

Sincerely,



Bradley Phillips, Pharm.D., BCPS, FCCP
Millikan-Reeve Professor and Head

Approvals on File

Proposal: Areas of Emphasis Under the Major in Pharmacy (M.S.):

Area of Emphasis in Pharmaceutical Health Services, Outcomes, and Policy
Area of Emphasis in Clinical and Administrative Pharmacy

Department: Clinical and Administrative Pharmacy

College: College of Pharmacy

Proposed Effective Term: Fall 2017

Department:

- Clinical and Administrative Pharmacy Department Head, Dr. Bradley Phillips, 2/23/2017

School/College:

- College of Pharmacy Associate Dean, Dr. George Francisco, 3/7/2017

Graduate School:

- Graduate School Dean, Dr. Suzanne Barbour, 3/7/2017