

Jammie Blackwell

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UNIVERSITY OF KENTUCKY

College of Pharmacy
Office of Academic Affairs
725 Rose Street
Lexington, KY 40536-0082
Office: (859)257-5304
Fax: (859) 323-2979
pharmacy.mc.uky.edu

TO: Heidi M. Anderson, Ph.D.
Associate Provost for Faculty Affairs

FROM: Kelly M. Smith, PharmD
Assistant Dean for Academic Affairs

DATE: June 2, 2009

RE: Approval for Pharm.D./Master of Science in Physician Assistant Studies (MSPAS) Dual Degree Program

The faculty of the College of Pharmacy have approved the attached PharmD/MSPAS Dual Degree program and are submitting this program for approval by the HCCC. This dual degree option is designed along a similar format as existing dual degrees with the PharmD and the MBA, MPA, MS Econ, and MPH.

The dual degree program permits a student to gain both degrees in a total time period less than if the degrees were earned independently. This dual degree is highly desirable for persons seeking careers in patient care, particularly those that wish to become primary care providers. Such clinicians are in high demand throughout the nation, and particularly in rural areas of our state.

Once considered by the Health Care Colleges Council, it will be submitted for consideration by the Graduate Council.

Brothers, Sheila C

From: Mendiondo, Marta
Sent: Thursday, February 25, 2010 10:16 AM
To: Brothers, Sheila C
Subject: SAPC

The Senate Academic Programs committee recommends approval of :

1)

2) **New Dual Degree Program - PharmD and MS in Physician Assistant Studies**

Marta S. Mendiondo
Chair

Marta S. Mendiondo, PhD
University of Kentucky College of Public Health - Biostatistics Department
121 Washington Avenue - Suite 201 - Lexington, Kentucky 40536-0003
Sanders Brown Center on Aging
Rm 331 Sanders-Brown Bldg. - 800 S. Limestone St. - Lexington, KY 40536 - 0230
(859) 257-1412 ext 274 - FAX (859) 323-2866
marta@email.uky.edu

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MEMORANDUM

TO: Health Care Colleges Council

FROM: Sharon Stewart, CHS Associate Dean for Academic Affairs

RE: Request for PharmD/MSPAS Dual Degree Program

DATE: September 20, 2008

The purpose of this memorandum is to indicate that the College of Health Sciences has appropriately considered the proposed PharmD/MSPAS program and recommends it for approval. We believe that this proposal preserves the integrity of the Pharm D and PAS programs while offering students the option of gaining both degrees in a total time period less than that required if the degrees were earned separately. The dual degree is likely to be highly desirable for those seeking careers in various health-related clinical, research, administrative, and educational environments.

Please contact Doris Rapp (323-1100, ext 80514) regarding any concerns or questions, particularly those specific to the Physician Assistant Program.

PharmD/MSPAS Dual Degree Program Proposal

May 18, 2009

Background

The University of Kentucky College of Pharmacy has a significant track record of collaborating with other academic units on campus to offer joint degree programs. The PharmD/MPA dual degree program has been offered since 1997 and 17 students have completed it to date. The PharmD/MBA dual degree program has been offered since 1999 and 12 students have graduated with this combination to date. Two students have completed the PharmD/MPP dual degree, and the newly approved dual PharmD/MPH program has enrolled seven students for Fall 2009. The College now wishes to collaborate with the College of Health Sciences to offer students a joint PharmD/MSPAS degree program. It is anticipated that this offering will enroll up to five students annually.

The University of Kentucky currently offers a 97 credit hour Master of Science in Physician Assistant Studies (MSPAS) degree through the University of Kentucky College of Health Sciences. Completion of this non-thesis program, which is accredited by the Accreditation Review Commission on Education for Physician Assistants, conveys graduates eligibility to sit for the Physician Assistant National Certifying Examination and subsequent state licensure/certification. The University's College of Pharmacy offers a four-year, 164 credit hour Doctor of Pharmacy (PharmD) degree. The PharmD degree program is accredited by the Accreditation Council for Pharmacy Education (ACPE), and successful program completion satisfies all educational requirements for licensure.

The PharmD/MSPAS dual degree program would be one of fewer than five of its type offered in the nation. Currently this joint degree program is offered at Albany College of Pharmacy, University of Washington, and Washington State University.

The dual degree program permits a student to gain both degrees in a total time period less than if the degrees were earned independently. The dual degree is thought to be highly desirable for persons seeking careers in primary care (e.g., clinic, acute care, long-term care settings), particularly in rural practice areas, as well as clinical research, healthcare administration and higher education.

Structure of Program

A. Admissions

A student desiring admission into the dual degree program will be required to apply formally and independently to both programs. Admissions standards are the same as if the student were applying solely to one program. To be admitted, an applicant is required to meet the independent admission standards of the College of Pharmacy, College of Health Sciences MSPAS Program, and The Graduate School.

(1) For the MSPAS program, application will be made to the College of Health Sciences following completion of the second professional year in the College of Pharmacy. Students who do not hold an awarded bachelor's degree must have at least 90 hours of undergraduate and professional credit hours to apply to the Graduate School at the end of the second professional year. Course prerequisites (in addition to those required for entrance to the College of Pharmacy or provided

during the pharmacy curriculum) that must be completed prior to application to the MSPAS program include: general psychology, developmental psychology, and anthropology OR sociology. A cumulative undergraduate grade point average of at least 3.0 on a 4.0 scale is required, as must also have been achieved in the professional program. A combined score of 900 on the verbal, quantitative and analytical portions of the Graduate Record Examination (GRE) must have been achieved within the last five years of application to the program. Applicants must apply directly to the College of Health Sciences and to the Graduate School. This requires the submission of official transcripts, three letters of recommendation, an admission essay, and GRE scores.

(2) For the College of Pharmacy, PCAT scores and grade point average, as well as letters of recommendation, a formal interview, and other factors described in the College of Pharmacy bulletin, are considered to establish admission eligibility.

(3) The Director of Physician Assistant Studies from the College of Health Sciences and the Dean for Academic and Student Affairs from the College of Pharmacy, or their designees, serve as an advising team, each in their respective schools for all prospective and newly-admitted students.

B. Programs of Study

(1) The Existing MSPAS and PharmD Programs

The Master of Science in Physician Assistant Studies degree requires 97 total credit hours of core and elective courses and clerkships, and a passing score on a final program examination.

The College of Pharmacy offers a four-year curriculum leading to the Doctor of Pharmacy degree (PharmD). The Doctor of Pharmacy degree is awarded upon completion of a minimum of 164 semester credit hours of specified coursework with a GPA of at least 2.0 out of a possible 4.0.

(2) Dual PharmD/MSPAS Program

The following MSPAS courses are satisfied by the PharmD curriculum:

MSPAS Curriculum	Credit Hours	PharmD Curriculum	Credit Hours
HSM601 Overview of Healthcare Delivery	3	PHR910 Introduction to Pharmacy Practice PHR950 Pharmaceutical Policy and Public Health	3 4
PGY412G Human Physiology	4	PHR911/921 Physiological Basis for Therapeutics I/II	7
STA570 Statistics	4	PHR940 Evidence Base for Pharmacy Practice PHR950 Pharmaceutical Policy and Public Health	4 4
PAS678 Disease Prevention and Health Maintenance	2	PHR923 Pharmacological Basis for Therapeutics: Nutrition and Health Promotion PHR950 Pharmaceutical Policy and Public Health	3 4
PAS653 Introduction to Human Disease	3	PHR911/921 Physiological Basis for Therapeutics I/II	7
PAS610 Research Methods and Epidemiology	3	PHR940 Evidence Base for Pharmacy Practice PHR950 Pharmaceutical Policy and Public Health	4 4
PAS672 Pharmacology I	3	PHR913/923/931/951 Pharmacological Basis for Therapeutics Course Sequence	16
PAS673 Pharmacology II	3	PHR913/923/931/951 Pharmacological Basis for Therapeutics Course Sequence	16

PAS640 Survey of Geriatric Medicine	3	PHR813 Geriatric Pharmacy	3
CNU503 Applied Nutrition	1	PHR923 Pharmacological Basis for Therapeutics: Nutrition and Health Promotion	3

Experiential education (i.e., clerkships) will be delivered through a combination of MSPAS and PharmD (PHR988; Advanced Pharmacy Practice Experience) rotations. The following clerkships satisfy requirements towards the MSPAS and PharmD degrees:

Course	Weeks	Credit Hours	Credit
PAS660 Family Medicine (clinic)	8	6	<ul style="list-style-type: none"> Meets PharmD requirement for Ambulatory Care (6 weeks, 6 credit hr) Training will be conducted at practice sites with established PA and PharmD preceptors
PAS669 Internal Medicine (hospital)	8	6	<ul style="list-style-type: none"> Meets PharmD requirement for Adult Medicine (6 weeks, 6 credit hr) Training will be conducted at practice sites with established PA and PharmD preceptors
PAS661 Pediatrics	4	3	<ul style="list-style-type: none"> Meets PharmD requirement for elective experience (12 weeks, 12 credit hr)
PAS662 Obstetrics/Gynecology	4	3	
PAS663 Surgery	4	3	
PAS664 Geriatrics	4	3	
PAS670 Emergency Medicine	4	3	
PHR988 Psychiatry	6	6	<ul style="list-style-type: none"> Meets PAS671 Psychiatry requirement for MSPAS (4 weeks, 3 credit hr)
PHR988 Community Hospital	12	12	<ul style="list-style-type: none"> Meets PAS665 elective requirement for MSPAS (4 weeks, 3 credit hr)

The dual degree program is suitable for full-time students only. Students independently pursuing the PharmD who wish to enter the dual program must be accepted before their third year of the PharmD curriculum.

An example of the program of study for dual degree students is:

Year 1: Fall - 19 credit hours of required PharmD courses
Spring – 19 credit hours of required PharmD courses
Summer - 4 credit hours of Introductory Pharmacy Practice Experience I
Total = 42 credit hours

Year 2: Fall - 17 credit hours of required PharmD courses
Spring - 17 credit hours of required PharmD courses
Summer - 4 credit hours of Introductory Pharmacy Practice Experience II
Total = 38 credit hours

Year 3: Fall – 17 credit hours of required and 3 credit hours of elective PharmD courses
Spring – 17 credit hours of PharmD and 2 credit hours of MSPAS required courses
Summer – 12 credit hours of Advanced Pharmacy Practice Experience
Total = 51 credit hours

- Year 4: Fall - 13 credit hours of required MSPAS courses
 Spring – 15 credit hours of required MSPAS courses
 Total = 28 credit hours
- Year 5: 15 credit hours (n=5) required MSPAS clerkships
 6 credit hours (n=1) elective Advanced Pharmacy Practice Experience (satisfies MSPAS requirement)
 12 credit hours (n=2) required MSPAS clerkships with joint PharmD preceptors
 2 credit hours of a required MSPAS course
 Total = 35 credit hours

C. Advantages of Dual Program

The PharmD/MSPAS program of study affects the total number of minimum required hours as follows:

(1) MSPAS and PharmD Pursued Independently

Total hours required in MSPAS program (61 required classroom + 33 required clerkship + 3 elective clerkship)	97
Total credit hours required in PharmD program (106 required didactic + 8 elective + 50 Practice Experience)	<u>164</u>
Total credit hours	261

(2) Dual Program

Total MSPAS hours required in joint program (32 required classroom + 15 clerkship)	47
Total joint MSPAS/PharmD required practice experience	12
Total PharmD credit hours required in joint program (106 required didactic + 3 elective + 26 Practice Experience)	<u>135</u>
Total credit hours	194

This dual program of study may be completed in five years.

D. Grade Point Average

Grade point average for both programs is calculated independently and respectively by the College of Pharmacy and the Kentucky College of Health Sciences. Dual degree students are required to remain in compliance with the academic standards of each degree-granting unit. For example, a student must satisfy the College of Pharmacy GPA requirements solely on the basis of graded pharmacy school

course work and The Graduate School's GPA requirements solely on the basis of graded Graduate School course work.

E. Student Status

During the period of MSPAS studies, the student will have the status of graduate student and will have to comply with the rules and regulations of The Graduate School.

During the period of Pharmacy residence, the student will have the status of a pharmacy student and will have to comply with the rules and regulations of the College of Pharmacy.

F. Granting of PharmD/MSPAS Degree

Upon satisfactory completion of all degree requirements of both programs and the successful completion of 47 credit hours of MSPAS course work and 135 hours of Pharmacy course work, and 12 hours of joint experiential coursework, the student is granted both the MSPAS and PharmD degrees. He/she is eligible to attend graduation ceremonies for either or both schools.

G. Fee Payments

During any period of full-time College of Pharmacy enrollment, the student will pay fees/ tuition at the College of Pharmacy rates. During any period of full-time enrollment in The Graduate School, the student will pay fees/tuition at Graduate School rates.

H. Failure to Complete PharmD or MSPAS Requirement

The PharmD/MSPAS dual degrees will be granted only upon successful completion of all course work and examinations.

If a student finds it impossible to complete the pharmacy component, the student who holds a prior bachelor's degree has the option of selecting additional courses within the MSPAS program to complete MSPAS program requirements. Upon successful completion of all MSPAS requirements, the MSPAS degree will be granted.

College of Pharmacy credit given for MSPAS course work is also provisional upon completion of the dual degree program. Should a student fail to complete the MSPAS requirements but desire to obtain the PharmD, he/she would be subject to all remaining College of Pharmacy degree requirements. Such a student may receive pharmacy school credit for up to eight hours of the MSPAS course work satisfactorily completed with a grade of "B" or above and subject to approval by the College of Pharmacy Dean for Academic and Student Affairs.

PROPOSED CURRICULAR SEQUENCE – Dual PharmD/PA (MSPAS) Degree

YEAR ONE

Fall Semester

PHR 910: Intro to Pharmacy Practice (3)
PHR 911: Physiology I (4)
PHR 912: Physiological Chemistry I (3)
PHR 913: Antibiotics (3)
PHR 914: Pharmaceutics and Biopharmaceutics I (3)
PHR 916: Non-Prescription - OTC I (2)
PHR 919: Patient Care Lab I (1)

TOTAL=19 credits

Spring Semester

PHR 920: Communication and Behavior in Practice (3)
PHR 921: Physiology II (4)
PHR 922: Physiological Chemistry II (3)
PHR 923: Nutrition and Health Promotion (3)
PHR 924: Pharmaceutics and Biopharmaceutics II (3)
PHR 926: Non-Prescription - OTC II (2)
PHR 929: Patient Care Lab II (1)

TOTAL=19 credits

Summer Semester

PHR 928: Introductory Practice Experience I (4)

TOTAL=4 credits

YEAR TWO

Fall Semester

PHR 930: Law, Ethics, Access (4)
PHR 931: Nervous System (5)
PHR 932: Immunology and Biotechnology (3)
PHR 933: Endocrine System (3)
PHR 939: Patient Care Lab III (2)

TOTAL=17 credits

Spring Semester

PHR 940: Evidence Base for Pharmacy (4)
PHR 944: Medicinal Chemistry (3)
PHR 946: Advanced Pharmacotherapy I (5)
PHR 947: Pharmacokinetics (4)
PHR 949: Patient Care Lab IV (1)

TOTAL=17 credits

Summer Semester

PHR 948: Introductory Practice Experience II (4)

TOTAL=4 credits

YEAR THREE

Fall Semester

PHR 950: Pharmaceutical Policy and Public Health (4)
PHR 951: Cardiopulmonary/ Renal (5)
PHR 953: Current Topics Seminar (1)
PHR 957: Pharmacotherapy I / II (5)
PHR 959: Patient Care Lab V (2)
PHR 813: Geriatric Pharmacy (3)

TOTAL=20 credits

YEAR THREE (continued)

Spring Semester

PHR 960: Pharmacy Practice Management (5)
PHR 966: Pharmacotherapy III (5)
PHR 967: Pharmacotherapy IV (5)
PHR 969: Patient Care Lab VI (2)
PAS 851: Intro to PA Profession (2)

TOTAL=19 credits

Summer Semester

PHR 988: Advanced Practice Experience – Community (6)
PHR 988: Advanced Practice Experience – Hospital (6)

TOTAL=12 credits

YEAR FOUR

Fall Semester

PAS 645: Masters Project I (1)
PAS 646: Masters Project II (2)
PAS 654: Clinical Lecture Series I (4)
PAS 651: Clinical Methods (H&P) (3)
PAS 657: Clinical Lab Procedures (3)

TOTAL=13 credits

Spring Semester

PAS 655: Psychosocial Factors in Medicine (3)
PAS 658: Clinical Lecture Series II (4)
PAS 656: Patient Management and Evaluation (3)
ANA 611: Anatomy (5)

TOTAL=15 credits

YEAR FIVE

PHR 988/PAS 660: Family Medicine (clinic) – 8 weeks (6)*
*Preferential scheduling in summer

PHR 988/PAS 669: Internal Medicine (hospital) - 8 weeks (6)

PAS 661: Pediatric – 4 weeks (3)
PAS 662: Obstetrics/Gynecology – 4 weeks (3)
PAS 663: Surgery - 4 weeks (3)
PAS 664: Geriatrics - 4 weeks (3)
PAS 670: Emergency Medicine - 4 weeks (3)

PHR 988: Psychiatry – 6 weeks (6)

PAS 680: Seminar in PA Studies II (2)*
*Seminar integrated at conclusion of each clerkship

TOTAL=42 weeks/35 credits

UNIVERSITY SENATE ROUTING LOG

Proposal Title: Dual PharmD/MSPAS Degree

Contact Person (name, email & phone #): Kelly M. Smith; ksmit1@email.uky.edu; 7-2521
MSPAS Perspective: Doris Rapp; darapp1@uky.edu; 3-1100, x80514

Instruction: To facilitate the processing of this proposal please identify the groups or individuals reviewing the proposal, identify a contact person for each entry, provide the consequences of the review (specifically, approval, rejection, no decision and vote outcome, if any) and please attach a copy of any report or memorandum developed with comments on this proposal.

Reviewed by: (Chairs, Directors, Faculty Groups, Faculty Councils, Committees, etc.)	Contact person Name (phone/email)	Consequences of Review:	Date of Proposal Review	Review Summary Attached? (yes or no)
College of Pharmacy Curriculum Committee	Peggy Plascik 257-1766	Approved	July 1, 2008	Yes
College of Pharmacy Faculty	Joe Fink 218-6515	Refer to Dept. of Pharmacy Practice and Science	August 21, 2008	Yes
Professional Education Advisory Committee, Dept. of Pharmacy Practice and Science, College of Pharmacy	Melody Ryan 257-8790	Approved	March 5, 2009	No
College of Pharmacy Faculty	Joe Fink 218-6515	Approved	April 15, 2009	Yes
Division of Physician Assistant Studies	Doris Rapp, PhD 313-1100, x80514 darapp1@uky.edu	10 PAS Faculty, including the Director, reviewed the proposal; 7 voted to approve the proposal and 1 was in favor of the proposal but wanted to wait on implementation; 2 faculty did not vote (1 was a new faculty member who was not familiar with the proposal)	Proposal was reviewed and email vote finalized on 7/01/08	No
Department of Clinical Sciences	Karen Skaff, PhD 323-1100, x80585 koskat0@uky.edu	Dept. faculty voted for Approval; 12 voted in support of the proposal; none opposed the proposal; 2 were absent. The remaining 8	Discussion of the proposal and vote taken on 08/06/08.	No

College of Health Sciences		Sharon Stewart, EdD 323-1100, x80570 srstew01@uky.edu	eligible voters were on vacation or out of the office on business.	All 6 members of the CHS Academic Affairs Committee voted for approval. One member identified editing errors to be corrected before proposal is submitted to the HCCC.	Proposal was reviewed and email vote finalized on 9/13/08.	Proposal and related new courses available via link
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CURRICULUM COMMITTEE – COLLEGE OF PHARMACY

Meeting Minutes Excerpt

July 1, 2008

Reconsider Proposal for PharmD/MSPAS

The committee reconsidered a proposal for dual degree in PharmD/MSPAS, first introduced and well received on 4/23/08, and referred for review to the pre-residency work group and the PPS department curriculum committee **[Handout #1]**. Neither of those groups had concerns, and both groups approved the proposal. Since the PA program has limited capacity, the expected number of pharmacy students enrolled in the dual degree program per year will most likely not exceed 5. Currently, there are 4 PY2 students interested in the program; their enrollment would affect the course load for their PY3 year (2009-10). [Portions of] The PharmD curriculum would satisfy the PA course requirements, and the experiential rotations would be in carefully monitored sites with two preceptors (a pharmacist and a physician's assistant).

MOTION: To approve the dual degree program in PharmD/MSPAS as proposed.

Motion was approved by vote of 7 in favor, 0 in opposition, 0 abstained.

FACULTY MEETING – COLLEGE OF PHARMACY

Meeting Minutes Excerpt

August 21, 2008

Vote on PharmD-MSPAS Joint Degree Program

This program is designed to allow a PharmD to join the PA program early and to complete in 5 years instead of 6 years. We are presently targeting 5-7 students; PY3s and PY4s have expressed interest. This requires the GRE and will not accept the PCAT. As to licensure, the students would be regulated by the State Board of Pharmacy for pharmacy issues and by the Board of Medicine for medicine issues. There are no overt contradictions at this time. Students would require preceptors for both programs. The Provost in particular is interested in offering more joint degree programs.

Move made to table the vote at this time (refer to the PPS department); so moved.

FACULTY MEETING – COLLEGE OF PHARMACY

Meeting Minutes Excerpt

April 15, 2009

PharmD/MSPAS Dual Degree

The dual degree proposed by Dr. Smith is a PharmD and MS-Physician Assistant program; this was referred to PPS for resource analysis. It then went to the PEAK committee, has been reviewed with an agreement that there would not be undue outlay of additional resources. There are sufficient and quality experiential sites and mentors.

The proposal for the program would be sent to the Graduate School, the University Senate, and then to the Health Care Colleges Council. This is a rare program; the University of Washington is known for training in this. The PA role spans the spectrum as primary care providers (first point of care settings).

The details of the program are that the admissions progress would be monitored under the health sciences college, including their additional requirements as well as taking the GRE. Some courses may be counted twice; there needs to be an overview of the coursework. The total time to complete is 5 continuous years.

Approval of the dual degree program was proposed and seconded for consideration. This is typically a smaller program; we anticipate a small number and could cap at 5. Students often go to academia or PCP settings. PAs are able to prescribe, though there may be questions about controlled substances. There is already a list of students considering this program.

Motion was made to approve the program: motion passed.