

Brothers, Sheila C.

From: Cramer, Aaron M.
Sent: Thursday, May 28, 2020 5:11 PM
To: Bird-Pollan, Jennifer; Brothers, Sheila C.; Ett-Mims, Joanie; Woolery, Stephanie L.
Cc: Badger, Karen; Romanelli, Frank
Subject: NEW 2+4 and 3+4: BS Human Health Sciences and PharmD Pharmacy
Attachments: HHS + Pharmacy Concurrent Degree proposal- 4-28-20.pdf

Proposed New 2+4 and 3+4 Programs: BS Human Health Sciences and PharmD Pharmacy

This is a recommendation that the University Senate approve the establishment of new 2+4 and 3+4 Programs: BS Human Health Sciences in the Department of Health and Clinical Sciences within the College of Health Sciences and PharmD Pharmacy in the College of Pharmacy.

Rationale: The proposed 2+4 and 3+4 programs will enable students enrolled in the Human Health Sciences (HHS) pre-Pharmacy track to earn a bachelor's degree and a PharmD in either six or seven years. Students apply in either the fall of their second or third years beginning Pharmacy courses in the third or fourth year, respectively. If students are not accepted into the PharmD program, they will continue taking HHS courses to complete their B.S. Students in either of the programs earn their B.S. on completion of all requirements for the undergraduate degree, including 120 credit hours. Many HHS students enter the PharmD program early but do not earn an undergraduate degree. The proposed programs will provide a pathway for UK students to complete both degrees.

Aaron

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College of Health Sciences

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To: Meredith Houlihan
Health Care Colleges Council

From: Carl Mattacola, Ph.D.
Associate Dean of Academic and Faculty Affairs

CC: Scott Lephart, Ph.D.
Dean College of Health Sciences

Date: February 4, 2019

RE: CHS Human and Health Sciences & Pharmacy Concurrent Degree Programs

The College of Health Sciences (CHS) proposes to offer two Bachelor of Science in Human Health Sciences /Doctor of Pharmacy (PharmD) degree options as a combined effort between the Department of Health and Clinical Sciences and the College of Pharmacy. The collaboration is a joint effort, and faculty members of both Departments/Colleges are supportive

This degree option, informally known as 2+4 and 3+4 programs, will enable students enrolled in the Human Health Sciences (HHS) pre-Pharmacy (pre-Pharm) track to earn a bachelor's degree and a PharmD in either 6 or 7 years, depending on whether they qualify for the 2+4 or 3+4 program. The proposal has been approved by the representative faculty of both colleges.



HSER FACULTY REVIEW: 10/1/2018

University of Kentucky Bachelor of Science in HHS/Doctor of Pharmacy 3 + 4 and 2 + 4 concurrent degree programs.

Proposal submitted by the Division of Health Sciences, Education, & Research in the College of Health Sciences (now the Department of Health and Clinical Sciences and the College of Pharmacy), University of Kentucky. Drafted September 11, 2018

INTRODUCTION AND JUSTIFICATION

The College of Health Sciences (CHS) proposes to offer two Bachelor of Science in Human Health Sciences/Doctor of Pharmacy (PharmD) degree options as a combined effort between the Department of Clinical and Health Sciences Human Health Sciences program and the College of Pharmacy. The collaboration is a joint effort, and faculty members of both Departments/Colleges are supportive (see Appendices 1 & 2).

This degree option, informally known as 2+4 and 3+4 programs, will enable students enrolled in the Human Health Sciences (HHS) pre-Pharmacy (pre-Pharm) track to earn a bachelor of science in HHS degree and a PharmD in either 5 or 6 years, depending on whether they qualify for the 2+4 or 3+4 program. This would reduce the time for degree completion of both degrees by one or two years, respectively (See tables in Appendices 3 & 4). Students who qualify for the 2+4 concurrent degree program will apply for admission to the PharmD program during the fall of their second year in the Bachelor of Science in HHS program and will interview for the PharmD program during the spring of their second year. Students accepted into the PharmD program will begin taking Pharmacy courses in their third year in the HHS program. Students not accepted into the PharmD program will continue taking HHS courses in their third year to complete their Bachelor of Science in HHS degree.

Similarly, students who qualify for the 3+4 concurrent degree program will apply in the fall of their third year for admission to the PharmD program and will interview in the spring of their third year. Students accepted into the PharmD program will begin taking Pharmacy courses in their fourth year. Students not accepted into the PharmD program will continue taking HHS courses in their fourth year to complete their bachelor's degree in HHS. Students in either of the concurrent degree programs will earn the Bachelor's degree upon completion of 120 credit hours and all requirements for the undergraduate degree. Students in the 3+3 program will earn their undergraduate degree in December of the 3rd year of enrollment in the PharmD program (or year 5 at UK). Twenty-seven hours from the PharmD program are applied to the HHS degree with 15 hours of PharmD courses replacing HHS major required courses and 12 hours of PharmD courses applied as elective credit to the Bachelor of Science degree. Students in the 2+3 program will earn their undergraduate degree in December of the 2nd year of enrollment in the PharmD program (or year 4 at UK). Thirty-four hours from the PharmD program are applied to the HHS degree with 15 hours of PharmD courses replacing HHS major required courses, and 19 hours of PharmD courses applied as elective credit to the Bachelor of Science in HHS degree.

Students from any academic program within UK and from outside institutions are strongly encouraged to apply to the PharmD program at UK. Any applicant who wishes to apply to the PharmD program must complete their undergraduate coursework in their established major program and must meet the pre-requisites for admission into the PharmD program. However, this proposal documents the collaborative effort between the Bachelor

of Science in HHS degree program and the College of Pharmacy to formalize the 2+4 and 3+4 concurrent programs. *This relationship is not exclusive for future collaborations.* Specific to this proposal, students must meet the rigorous holistic admission process for HHS and then select the pre-Pharmacy track. This track is structured to provide students interested in pursuing a career in Pharmacy the pre- requisite courses necessary to be competitive for admission into PharmD programs

throughout the country in addition to the PharmD program here at UK. Students interested in either concurrent degree programs must also meet the specific admission requirements for the concurrent program to be eligible (see Admissions Processes below).

Many HHS students come in academically prepared to complete a concurrent degree program and many also enter the PharmD program early but do not earn a bachelor's degree. The proposed programs allow students a pathway to UK's PharmD program while also completing and being awarded the Bachelor of Science in HHS degree. The 2+4 and 3+4 HHS/PharmD programs will serve as options for UK students who are academically prepared to obtain the pre-requisites, and then apply for admission into the PharmD program. These programs *will provide an academic and financial advantage to UK students* by reducing the number of academic years necessary to complete both degrees, and subsequently enter the profession of pharmacy.

HHS faculty worked with College of Pharmacy faculty and have deemed the following courses as suitable substitutes. PHR courses can fulfill HHS course requirements; however, HHS courses CANNOT fulfill PHR course requirements.

Pharmacy Courses	Human Health Science Courses
PHR 914 (Clinical Reasoning) 2 cr	HHS 454 (Research Methods) 3 cr
PHR 913 (Wellness & Health Promotion I) 3 cr	HHS 362 + 363 (Health Advocacy I & II) 2 cr
PHR 915 (Pharmacy as a Profession) 5 cr	HHS 101 (Survey of Health Professions I) + HHS 102 (Survey of Health Professionals I) + HHS 353 (Ethics in Healthcare) 5 cr
PHR 927 (GI & Nutrition) 2 cr	CNU 503 (Nutrition for Health Professionals) 1-2 cr
PHR 933 (Pharmacy Outcomes, Policy, & Public Health) 3 cr	HHS 350 (Health Policy & Politics) 3 cr
PHR 910, PHR 911, PHR 912, PHR 920, PHR 921, PHR 922, PHR 923, and PHR 926, PHR 937	Free electives

ORGANIZATIONAL STRUCTURE

STEERING COMMITTEE

A steering committee will oversee both concurrent degree programs and will consist of the Director of Undergraduate Studies in HHS, the Dean for Academic Programs from the College of Pharmacy, as well as a representative from academic advising in both the HHS and PharmD programs. The steering committee will be charged with proposing any needed changes or modifications to the curriculum or management of the program over time.

FACULTY OF RECORD

The faculty of record for both concurrent degree programs will consist of all faculty in the Human Health Sciences Program in the Department of Health and Clinical Sciences, as well as all faculty in the PharmD program. Annual meetings will be scheduled as a group. Information will be shared among the Faculty of Record as needed by email and through members of the steering committee.

ASSESSMENT OF THE PROGRAM

Assessment of students in the concurrent degree programs will be consistent with the assessment plans on file with UK's Office of Assessment for both the Bachelor of Science in HHS and PharmD programs. For example, HHS students are assessed annually on a number of program outcomes specific to the HHS program. HHS students in the concurrent degree programs will continue to be assessed on HHS specific program learning outcomes annually. As well, the Doctor of Pharmacy degree program consists of several lock-step assessment points including but not limited to objective and subjective examinations, Objective Structured Clinical Examinations, and two milestone examinations (MM1/MM2).

PROCEDURE FOR APPLICATION AND ADMISSION TO 2+4 and 3+4 PROGRAMS ADMISSIONS PROCESSES (2+4 CONCURRENT PROGRAM):

Admissions to the Bachelor of Science in HHS-PharmD 2+4 program will require students to complete 70 hours within the undergraduate curriculum prior to matriculation into the PharmD program. In addition to usual admission requirements for acceptance into the HHS program, each student must also enter the university having met the following requirements prior to matriculation. Thus, admissions could be rescinded if the student doesn't attain the proper amount of credit prior to matriculation.

Additional admission requirements:

- Eligible for CIS 112 or concurrent credit to fulfill Composition and Communication requirement (ACT 32 or higher or a 4 or 5 on AP Composition)
- AP Calculus AB or BC 3, 4, or 5 or dual credit (4hours)
- AP or dual enrollment credit for at least three of the following UK Core classes (9 hours):
 1. Arts and Creativity
 2. Humanities
 3. Social Science
 4. US Citizenship
 5. Global Dynamics

Sixteen hours of credit will apply from credit earned prior to undergraduate matriculation from AP or dual credit from high school. In addition, since this is a concurrent degree program, the student will earn 37 credit hours in the first year and a half of the PharmD program towards the total 120 credit hours required for the Bachelor of Science in HHS degree.

Admission to the Bachelor of Science in HHS program and selection of the pre-professional pharmacy track does not guarantee admission to the PharmD degree program, and the subsequent utilization of the HHS-PharmD 2+4 concurrent plan. Students in the Bachelor of Science in HHS degree program who have identified interest in the HHS-PharmD 2+4 concurrent program with the requisite number of credit hours and achievement of pre-requisites for the HHS-PharmD 2+4 concurrent program will have to apply separately to the PharmD degree program in the fall of their second year at UK. These students will be considered by the Pharmacy Admissions Committee in the regular course of the Admissions process with all other applicants in that year, however these students will be given preferred applicant status, which means they will receive reviews upon receipt of the application. These students must apply early decision, as well. Any applicants who apply to the PharmD program and meet the program's usual admissions criteria will be competitive for admission to the PharmD program. Only those students who designated pre-pharmacy in the HHS program and are accepted in to the PharmD program will be designated officially as HHS-PharmD 2+4 students. Only the most qualified cohort of students will be accepted into the PharmD program. HHS-PharmD 2+4 applicants are not guaranteed admission in to the PharmD program and will be reminded of such when entering the Bachelor of Science in HHS pre-pharmacy track.

The academic advisor in the CHS-Office of Student Affairs (OSA) designated to work with HHS-PharmD 2+4 students and the College of Pharmacy advisor will advise students in this concurrent program. They will provide personalized attention to students who identify interest in the HHS-PharmD 2+4 program upon their admission into the Bachelor of Science in HHS program and placement into the HHS pre-pharmacy track. The advisor will continue to work with these students throughout their academic career at UK. If they are admitted into the PharmD program, students will be advised until completion of the HHS-PharmD 2+4 program. Students who opt not to enter the PharmD program or do not receive admission into the PharmD program will be advised by the CHS-OSA advisor through completion of their Bachelor of Science in HHS degree. The curriculum has been organized such that students who are not accepted in the PharmD program will graduate within 4 years with a Bachelor of Science in HHS degree and will be eligible to apply to pharmacy programs outside of UK or to reapply to the UK Pharmacy program, if desired. Should a student in the HHS pre-pharmacy track decide to apply to another doctoral program at another institution to receive their Doctorate in Pharmacy, the CHS-OSA advisor will work with the student to review admissions criteria to ensure the student will be competitive in their application.

ADMISSIONS PROCESSES (3+4 CONCURRENT PROGRAM):

Admissions to the HHS-PharmD 3+4 combined program will require students to complete 98 hours within the undergraduate curriculum prior to matriculation into the PharmD program. Each student must also enter the university having met the following requirements in addition to usual requirements for admissions into the HHS program prior to matriculation. Thus, admissions could be rescinded, if the student doesn't meet the following requirements prior to matriculation.

Additional Admission Criteria:

- CHE 105 eligible or AP Chemistry 4 or 5 or dual credit
- MA 137 eligible or AP AB or BC Calculus 3, 4, or 5 or dual credit

Since this is a concurrent degree program, the student will earn the remaining 22 credit hours in the first year and a half of the PharmD program towards the total 120 credit hours required for the Bachelor of Science in HHS degree.

Admission to the Bachelor of Science in HHS program and selection of the HHS pre-professional pharmacy track does not guarantee admission to the PharmD degree program and the subsequent utilization of the HHS-PharmD 3+4 concurrent degree plan. Students in the Bachelor of Science in HHS program who have identified interest in the HHS-PharmD 3+4 concurrent degree program, have the requisite number of credit hours and completed pre-requisites for the HHS-PharmD 3+4 concurrent program, will have to apply separately to the PharmD degree program in the fall of their third year at UK. These students will be considered by the Pharmacy Admissions Committee in the regular course of the admissions process with all other applicants in that year. However, these students will be given preferred applicant status and will receive review upon receipt of the application. These students must apply for early decision as well. Any applicants who apply to the PharmD program and meet the admissions criteria will be competitive for admission to the PharmD program. Only those students who designated pre-pharmacy in the Bachelor of Science in HHS program, and are accepted into the PharmD program will be designated officially as HHS-PharmD 3+4 program students. Only the most qualified cohort of students will be accepted into the PharmD program. HHS-PharmD 3+4 program applicants are not guaranteed admission in to the PharmD program and will be reminded of such when entering the Bachelor of Science HHS pre-pharmacy track.

The academic advisor in the CHS-OSA designated to work with HHS-PharmD 3+4 concurrent program students and the College of Pharmacy advisor will advise these students. They will provide personalized attention to students who identify interest in the Bachelor of Science in HHS-PharmD 3+4 program upon admission into the Bachelor of Science HHS program and placement into the pre-pharmacy track. The advisor will continue to work with these students throughout their academic career at UK. If they are admitted into the PharmD program, students will be advised by both the CHS-OSA advisor and the pharmacy advisor until they complete the undergraduate degree and by the pharmacy advisor until they complete the HHS-PharmD 3+4 program. Students who opt not to enter the PharmD program, or do not receive admission into the PharmD program will be advised by the CHS-OSA advisor through completion of their Bachelor of Science in HHS degree. The curriculum has been organized such that students who are not accepted in the PharmD program will graduate within 4 years with a Bachelor of Science in HHS degree and will be eligible to apply to pharmacy programs outside of UK. Students can also apply to the UK PharmD program as many times as they would like (application fee and associated paperwork required for each application). Should a student in the HHS pre-pharmacy track decide to apply to another doctoral program at another institution to receive their Doctorate in Pharmacy, the CHS-OSA advisor will work with the student to review admissions criteria to ensure the student will be competitive in their application.

CRITERIA FOR ADMISSIONS CONSIDERATION

Students who wish to be admitted to the 2+4 or 3+4 concurrent degree programs must first be admitted into the identified Bachelor of Science in HHS program (pre-Pharm track). During their second or third years (depending on which concurrent program they qualify for), students will apply and interview for admission into the PharmD degree program.

Bachelor's Degree Admissions (HHS)

Admission into the Bachelor of Science in Human Health Sciences program is holistic in nature. Consideration is given to academic rigor and achievement, leadership and community involvement, health care focus and experience, and cultural understanding and experiences. There will be an admissions cap of approximately 120 students for each yearly cohort. Admissions processes into the Bachelor of Science in HHS program are described below for both current high school students as well as current UK students. After applying, qualified students will be invited to a 20-30 minute interview with faculty and staff connected to the program. Interviews will be coordinated based upon applicants' availability, distance to campus, etc. and can be in-person (strongly preferred if possible), telephone, Skype, or Zoom.

While holistic in scope, admission into HHS is a highly competitive process. The following factors are taken into consideration as part of the current established admissions process for admission:

New Students (college freshmen)

- Completion of program application and interview process;
- High school GPA (preference given to those with an unweighted high school grade-point- average of 3.5 or higher);
- ACT or SAT scores (preference given to those with a 28 ACT composite or SAT equivalent or higher).

Current UK students and transfers (transfer and current UK students will only be considered if their course of study will allow them to integrate into the defined plan)

- Completion of program application and interview process;
- Cumulative college GPA of 3.2 or higher (student must also exhibit a 3.0 semester GPA or higher during term of application);
- No more than 60 earned hours;
- Satisfactory completion of CHE 105 and 111, PSY 100, and MA 137 strongly preferred.

PharmD Program Admission Requirements

The University of Kentucky College of Pharmacy agrees to give priority applicant status during the admissions process to the Doctor of Pharmacy program according to the classification rules of the University of Kentucky and the Department of Health and Clinical Sciences in the College of Health Sciences. Priority applicant status as defined in this proposal stipulates that any student choosing to execute this agreement must abide by the following:

1. Students must meet with the University of Kentucky College of Pharmacy (UKCOP) Pre-Pharmacy Advisor at least once, each academic year during the two or three undergraduate academic years leading to submitting the UKCOP application for admission to ensure that students are completing the appropriate pre-requisite courses in sequence to facilitate possible admission to UKCOP. Meetings are to be scheduled within an appropriate timeframe related to course registration windows and can take place either in person, through email, via phone conference or other acceptable electronic means available.
2. At time of application students must select the "early decision" option in the PharmCAS system as outlined in the UKCOP admissions process. By selecting "early decision" students

should be advised that if offered admission to UKCOP offers from other colleges of pharmacy cannot be accepted. Students choosing to execute this agreement must select “early decision” in the PharmCAS system when applying to UKCOP no later than 10 days prior to the deadline to apply through the “early decision” option (typically this deadline falls in early September).

Once a student has fulfilled the above requirements related to this agreement, the student will be included in the “early decision” review of applications and possibly invited for an interview at UKCOP during the first two interview visit dates (typically in October or November of the year prior to the desired enrollment date). It is important to note that priority applicant status does not guarantee admission to UKCOP nor does it give an applicant preferential treatment throughout the application process. Every applicant applying to UKCOP as a result of this agreement will retain applicant status in accordance with the current policy and procedure established by the University of Kentucky College of Pharmacy.

In addition to these requirements, students choosing to apply to the University of Kentucky College of Pharmacy using these options must:

1. The student must fulfill qualitatively and quantitatively, the requirements of the pharmacy 2+4 or 3+4 program as outlined in both the UKCOP pre-pharmacy schedule of courses and through the Department of Health and Clinical Sciences in the College of Health Sciences.
2. The student must meet the quantitative and qualitative requirements for admission as a professional school student to the University of Kentucky College of Pharmacy as determined through an application, interview and criminal background check and drug screening.
3. Students are required to submit an official transcripts of all college/university coursework and three letters of recommendation with their PharmCAS application. One letter of recommendation must be from either a professor or pharmacist.

INFORMATION FOR PROSPECTIVE STUDENTS

APPLICATION CYCLE

The application cycle begins in August for enrollment as a freshman majoring in Human Health Sciences the following August.

The application cycle for the University of Kentucky College of Pharmacy begins 13 months prior to the August term from the student’s desired start date. For example: If the student is interested in entering the College of Pharmacy in August 2020 they will begin their application in July of 2019. Students should keep in mind that it is crucial they begin their application in July so as to have it submitted ten days prior to the early decision deadline which is normally in early September. Students entering through this agreement will participate in interviews for the Doctor of Pharmacy Program either in October or November if all application materials have been received and verified and the holistic review of their application deems an invitation to interview be granted.

TUITION AND FEES

Students are responsible for payment of all tuition and fees for the concurrent degree course of study. Specifically, students will pay the undergraduate tuition rate (Resident or Non- Resident) for the first two or three years of study (depending on which program they qualify for), and (pending acceptance to the PharmD program) thereafter they will be assessed at the Pharmacy school rate.

Both need-based and merit-based financial assistance programs are available to all undergraduate and graduate students. Students are encouraged to learn more about financial aid and scholarship programs at the University of Kentucky. There are scholarships available for students within the College of Health Sciences, but there are no scholarships specifically designated for dual degree program applicants.

ONCE ENROLLED AT UK

Once accepted as an undergraduate student, to become competitive for the HHS-PharmD (2+4 or 3 +4) program, students are expected to follow the recommended curriculum and maintain a cumulative GPA of at least 3.0 (B). Students would then apply to the PharmD program between August 1 and December 1 of the year prior to the desired Pharmacy enrollment. Those students in the HHS pre-pharmacy track that wish to apply to the PharmD program will be encouraged to do so as delineated above, making sure they select their eligibility for the HHS-PharmD program in their application. Applicants from other academic programs within UK or from institutions around the country will apply to the PharmD degree program using standard admissions processes.

If a student follows the required curricula of the Bachelor's and PharmD degrees as designated in the Bachelor of Science in HHS-PharmD concurrent degree programs, the student will graduate with a Bachelor of Science in HHS program in December of the 4th year (for students in the 2 + 3 program) or 5th year (for students in the 3 + 3 program), and with a PharmD degree in May of their 5th or 6th year.

EXAMPLE OF A 2+4 and 3+4 CURRICULUM AND TIMELINE

See Appendices 3 & 4 for examples of the 2+4 and 3+4 dual degree program curriculum and timeline.

FREQUENTLY ASKED QUESTIONS

What if the student decides by years 2 or 3 that she or he is no longer interested in applying to the PharmD program at UK?

If you elect not to pursue the PharmD program at UK, there is no penalty, since you are already

on track to graduate with a Bachelor of Science in HHS degree in this particular field. If you elect not to attend the PharmD program, you will simply complete years 3 and 4 with the remaining needed credit hours of coursework to satisfy the usual requirements of your major. Academic advisors will work with you to ensure that you complete your degree in four years, and to provide career and graduate or professional school advice in a timely manner.

What if the student decides by years 2 or 3 that she or he is no longer interested in applying to the PharmD program at UK, but would like to pursue a PharmD program at another institution?

As in the previous question, there is no penalty. The pre-Pharmacy track in the HHS Bachelor of Science degree program is designed to prepare undergraduate students for competitive admission into professional pharmacy programs across the country. Academic advisors will work with you to ensure that you complete your degree in four years, and to provide career and graduate or professional school advice in a timely manner. If a student elects to pursue a PharmD program at another institution, they will not be able to create a condensed program with course equivalences like are available in the dual degree programs. Much like undergraduate students from outside UK that will apply to enter the PharmD program at UK, you will need to complete your bachelor's degree with the necessary pre-requisite courses to be admitted into those programs outside of UK.

What if the student wants to change majors?

If a student wishes to change their major, they will no longer be eligible for the 2+4 or 3+4 concurrent Bachelor of Science in HHS/PharmD degree programs, given the rigorous and specific curriculum you must follow to complete the bachelor's degree requirements of your chosen major within three years. If you prefer to change your major from HHS or if you wish to stay within HHS but change to a different pre-professional track, you may still be able to graduate within four years, depending on the requirements of the track or new major. You can apply to the professional program of your choice during your senior year, as most pre-professional applicants will do. You will not be able to use the PharmD courses in the concurrent degree programs to count towards the credit hour requirements of your bachelor's degree if you change your major from HHS to another major and degree program. Such a major change would dis-enroll you from the Bachelor of Science in HHS/PharmD concurrent degree program.

What if the student is accepted into the PharmD Program but is unhappy or unsuccessful in that curriculum?

We have every expectation that students admitted into the PharmD program at UK will be successful and enter the field of Pharmacy. This is certainly our expectation of the dual degree students given the rigor required to enter this concurrent degree program.

However, if you perform poorly or if for any reason you wish to withdraw from the PharmD program and no longer utilize the concurrent degree program, you will have options to still complete a Bachelor's degree from UK. You and your advisor will designate that you have met the requisite number of credit hours at UK to complete your Bachelor's degree. Your academic advisor will help you find the information you need to make an informed decision about your coursework and your future plans.

Appendix 1: Documentation of Support from HHS faculty

Appendix 2: Letter of Support from PharmD faculty

Appendix 3: Example 2+4 Curriculum & Timeline

Appendix 4: Example 3+4 Curriculum & Timeline

Monday, February 4, 2019 at 3:06:04 PM Eastern Standard Time

Subject: FW: updated appendices for pharmD proposal
Date: Tuesday, December 11, 2018 at 1:50:14 PM Eastern Standard Time
From: Badger, Karen
To: MaGacola, Carl
ADachments: Pharmacy and HHS 3+4 program Appendix 1_10-24-18.pdf, Pharmacy and HHS 2 + 4 program Appendix 2.pdf, PharmD dual degree Programs Proposal_Tracked Changes_11-19-18.docx

From: Badger, Karen
Sent: Monday, November 19, 2018 11:30 AM
To: Romanelli, Frank <frank.romanelli@uky.edu>
Cc: MaGacola, Carl <CarlMaGacola@uky.edu>; Warren, Jami <jami.warren@uky.edu>
Subject: FW: updated appendices for pharmD proposal

Hi Frank,

Attached is the PharmD-HHS Accelerated Program Proposal approved by the HHS faculty.

The narrative tracked the two changes made to the document since you have last seen it. One is very minor and the other is a change in the curriculum model—HHS 361 was added back into the requirements and PHR 910 (originally to take the place of HHS 361) was moved to fulfill an elective requirement in order to better ensure content equivalency.

We have conducted our vote and this has been approved. Please let us know if you need any additional information or any questions arise with its wording by you or your faculty.

Thanks! Karen



Beyond the Script

January 31, 2019

Dear Dr. Mattacola:

This letter is to inform you that the College of Pharmacy curriculum committee met recently to consider the College of Health Science's two and three year accelerated Bachelor of Science/Doctor of Pharmacy degree program.

The committee reviewed the materials that your group had assembled and acknowledged the several contacts that have occurred between the two Colleges. The committee had no issues with the proposal and offered its consent.

Should you require anything further – please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read 'FRANK ROMANELLI'.

Frank Romanelli, Pharm.D., MPH, FAPhA, BCPS, AAHIVP
Professor & Associate Dean for Academic Programs
Paul F. Parker Endowed Professor of Pharmacy

Traditional HHS Student Schedule

Year 1			Year 2			Year 3			Year 4		
Fall	Spring		Fall	Spring		Fall	Spring		Summer	Fall	Spring
HHS 101	HHS 102	HHS 350	elective	HHS 356	HHS 353	HHS 361	HHS 443				
CHE 105	HHS 241	BIO 152	STA 296	HHS 405	HHS 357	Pre-Prot	CNU 503				
CHE 111	BIO 248	BIO 155	Pre-Prot	HHS 362	HHS 363	Pre-Prot	Elect/Pre-P				
CHE 110	CHE 107	PSY 100	Pre-Prot	HHS 454	HHS 453	Pre-Prot	Elect/Pre-P				
MA 117	CHE 113	UK CORE	PHY 211	Pre-Prot	Pre-Prot	Pre-Prot	Elect/Pre-P				
ANT 160	CS 111	UK CORE	UK Core/Pre-P	CS 133	CS 133	UK Core/Pre-P	Elect/Pre-P				
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL
Cumulative	Cumulative	Cumulative	Cumulative	Cumulative	Cumulative	Cumulative	Cumulative	Cumulative	Cumulative	Cumulative	Cumulative

Pharmacy HHS Student Schedule

Year 1			Year 2			Year 3			Year 4			Year 5			Year 6		
Fall	Spring		Fall	Spring		Fall	Spring		Summer	Fall	Spring		Summer	Fall	Spring		
UK CORE Arts and Crea	UK CORE Global Dyna	STA 296	PHY 211	HHS 914/127/HHS 454	2/5	PHR 927/CMU 503	PHS 928	HHS 933/HHS 350	PHR 930	PHR 936	PHR 946	PHR 948	PHR 950	PHR 951	PHR 954	PHR 955	
CHE 105	CHE 113	HHS 405	HHS 453	HHS 361 & 362 & 363	5	PHR 921	PHR 922	PHR 937	PHR 938	PHR 947	PHR 949	PHR 952	PHR 953	PHR 956	PHR 957	PHR 958	
CHE 111	BIO 152	HHS 364	CHE 232	CHE 233	PHR 911	PHR 923	PHR 924	PHR 939	PHR 940	PHR 945	PHR 959	PHR 960	PHR 961	PHR 964	PHR 965	PHR 966	
BIO 148	HHS 241	ECOP 207/209/2ACC	CHE 233	CHE 233	PHR 911	PHR 923	PHR 924	PHR 939	PHR 940	PHR 945	PHR 959	PHR 960	PHR 961	PHR 964	PHR 965	PHR 966	
BIO 155	HHS 443	PSY 206	CHE 230	BIO 208/308	PHR 912	PHR 925											
UK 101	ANA 209	CHE 231	CHE 230	BIO 209/309													
CHE 134	CHE 231	CHE 231	CHE 231														
TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	TOTAL	
HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	HHS Cumulative	
UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	UK Cumulative	
									Pharm D Credits				Pharm D Credits				

Students must enter with at least 10 earned credits. Two UK Core areas fulfilled and AP credit for Calculus

Students will apply to the Pharmacy Program during the Fall semester of Year 2

Student interviews will take place during the Spring semester for acceptance into the PharmD program

If an HHS student is accepted into the PharmD program the student will continue to complete all necessary requirements (100 needed to obtain a bachelor's degree in HHS as well as start the PharmD Program. Students who are not accepted will complete the remaining HHS requirements needed to receive a bachelor's degree in Health Sciences during their 3rd year and may choose to complete requirements for another track.

HHS Core Courses	19
UK Core Courses	19
Guided Electives (Required by HHS)	19
Pre-Professional Requirements	19
PHS Electives/Pre-Professional	19
Total	115

19 hours of year 3 will count as elective credit for HHS bachelor's degree in order to obtain an undergraduate degree in HHS. Total of credit hours is 120.

Students will receive Bachelor Degree in Health Sciences

Students will receive Bachelor Degree in Health Sciences

Students will receive Pharm D

Traditional HHS Student Schedule

	Year 1		Year 2		Year 3		Year 4		Students will receive Bachelor's Degree in Health Sciences						
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring							
HHS 101	1	HHS 102	1	HHS 350	3	elective	3	HHS 356	1	HHS 353	3	HHS 361	3	HHS 443	2
CHE 105	4	HHS 241	3	HHS 152	1	STA 296	3	HHS 405	1	HHS 357	1	Pre-Prof	3	CNU 503	2
CHE 111	1	BIO 148	3	BIO 155	1	Pre-Prof	3	HHS 362	1	HHS 363	1	Pre-Prof	3	elec/pre-P	2
CIS 110	3	CHE 107	2	PSY 100	4	Pre-Prof	3	HHS 454	3	HHS 453	3	Pre-Prof	3	elec/pre-P	3
MA 117	4	CHE 113	2	UK CORE	3	PHY 211	5	Pre-Prof	3	Pre-Prof	3	elec/pre-P	3	elec/pre-P	3
ANT 160	3	CIS 111	3	UK CORE	3			UK Core/Pr	3	CLA 131	3				
TOTAL	16	TOTAL	15	TOTAL	17	TOTAL	17	TOTAL	14	TOTAL	14	TOTAL	15	TOTAL	12
Cumulative	16	Cumulative	31	Cumulative	48	Cumulative	65	Cumulative	79	Cumulative	93	Cumulative	108	Cumulative	120

Pharmacy HHS Student Schedule

	Year 1		Year 2		Year 3		Year 4		Year 5		Year 6		Year 7		Students will receive Bachelor's Degree in Health Sciences													
	Fall	Spring	Fall	Spring	Fall	Spring	Fall	Spring	Summer	Fall	Spring	Summer	Fall	Spring														
CHE 105	4	HHS 241	3	CHE 230	3	CHE 232	3	BIO 208/30	3	ECO 201	3	PHR 914/1	2/3	PHR 927/CNU 503	2	PPS 928												
CHE 111	1	BIO 148	3	CHE 231	1	CHE 234	1	BIO 209/30	2	PHY 211	5	PHR 914/1	3/2	PHR 920	3													
CIS 110	3	CHE 107	2	BIO 155	1	ANA 209	2	PHR 915/1	3	HHS 454	3	PHR 915/1	5	PHR 922	3													
MA 117	4	CHE 113	2	BIO 155	1	CLA 131	3	HHS 356	1	HHS 357	1	PHR 910	3	PHR 921	4													
UK CORE	3	CIS 111	3	PSY 100	4	HHS 443	2	HHS 405	3	UK CORE	3	PHR 911	3	PHR 923	3													
UK 101	1	STA 296	3	UK CORE	3	UK CORE	3	HHS 361	3			PHR 912	3	PHR 925	4													
TOTAL	16	TOTAL	17	TOTAL	15	TOTAL	15	TOTAL	15	TOTAL	15	TOTAL	19	TOTAL	19	TOTAL	4	TOTAL	16	TOTAL	17							
HHS	16	HHS	33	HHS Cumu	48	HHS Cumu	63	HHS Cumu	78	HHS Cumu	93	HHS	112	HHS Cumulative	117	HHS Cumu	120	HHS Cumu	N/A									
UK	16	UK	33	UK Cumu	48	UK Cumu	63	UK Cumu	78	UK Cumu	93	UK	112	UK Cumulative	135	UK Cumu	151	UK Cumu	168									
												Pharm D/C	19	Pharm D/Credits	38	Pharm D/Credits	42	Pharm D/C	58	Pharm D/C	75							

Students will apply to the Pharmacy Program during the Fall semester of Year 3

Student interviews will take place during the Spring semester for acceptance into the PharmD program

If an HHS student is accepted into the PharmD program the student will continue to complete all necessary requirements still needed to obtain a bachelor's degree in HHS as well as start the PharmD Program. Students who are not accepted will complete the remaining HHS requirements needed to receive a bachelor's degree in Health Sciences during their 4th year and may choose to complete requirements for another track.

HHS Core Courses
UK Core Courses
Guided Electives (Required by HHS)
Pre-Professional Requirements
Free Electives/Pre-Professional
Pharmacy courses in place of HHS classes

****Students will have completed necessary requirements in order to obtain an undergraduate degree in HHS. Total of credit hours is 120.

12 hours of year 4 will count as elective credit for HHS bachelor's degree