

The “3 + 4” Charleston Dual Degree Pharmacy Program

An Affiliation Agreement Between

The University of Charleston
School of Pharmacy

and

Concord University

BACKGROUND

The University of Charleston (UC) School of Pharmacy and Concord University (CU) hereby pledge their commitment to the training of future pharmacy practitioners by joining this affiliation. CU and UC will offer a dual degree, seven year Doctor of Pharmacy program. Under this joint agreement between the School of Pharmacy at UC and CU, students will successfully complete the three year undergraduate program in pre-pharmacy at CU and then successfully matriculate into the School of Pharmacy at UC. After completion of the first year of the professional curriculum at the School of Pharmacy at UC, the students will return to CU for graduation, during which they will receive a Bachelor of Science degree in Chemistry (Pharmacy Option). The students will then spend the next three years completing the professional curriculum of the Doctor of Pharmacy degree (Pharm.D).

This affiliated agreement will be referred to as *The “3 + 4” Charleston Dual Degree Program in Pharmacy*. The PROGRAM will be a pre-pharmacy program that will give the students the opportunity to complete their degree in two phases: Phase I consists of three years of undergraduate education at CU, and Phase II consists of four years of pharmacy education at the School of Pharmacy at UC. UC School of Pharmacy will reserve a total of **five (5)** positions annually to CU University, with the understanding that additional positions may be available as determined by mutual agreement between CU and the School of Pharmacy at UC, in Phase II of the Program for CU students successfully completing Phase I.

SELECTION OF STUDENTS FOR THE PROGRAM

During completion of Phase I of the PROGRAM at Concord, students will be strongly advised to achieve the following in order to maximize chances for success for admission to Phase II at UC:

- SAT or ACT SCORES 1100 or 24
- High School Grade Point Average (GPA) 3.0 out of 4.0

- Class Rank top 25%
- Concord GPA Maintain 3.25/4.0 in all courses required for the program with no grade less than a C.
- Potential Evidence of scholarly and extracurricular activities, community and campus activism and a desire to become a pharmacist.

Students not admitted to Phase II by UC will be ineligible for this degree option, but can continue their education at Concord in a 4-year chemistry program.

For admission to Phase II of the PROGRAM, the School of Pharmacy at UC will guarantee admission to **five (5)** CU students who meet the criteria listed below:

- Complete the pre-pharmacy curriculum in Phase I of the Dual Degree Program, as described below (or as amended).
- Earn a minimum of 3.25/4.00 in Phase I of the PROGRAM, with no grade lower than a C.
- Earn a minimum of 3.25/4.00 in all science and mathematics courses, with no grade lower than a C.
- Score above the 50th percentile on the PCAT with an appropriate score on the writing sample.
- Successfully interview with UC School of Pharmacy faculty.
- Submit two (2) letters of recommendation. One of these letters must be from the Pre-Pharmacy Committee at CU. This committee is composed of the Director of the Pre-Pharmacy Program and faculty at CU. The letter will address the personal growth of the student during Phase I, as well as the student's maturity, responsibility, and desire to become a pharmacist. One of these recommendations must be from a licensed pharmacist.
- Demonstrate experience in community/campus activism.
- Successfully complete a criminal background check.
- Submit a completed application for admission to the School of Pharmacy at UC and the submission of their final transcript from CU.

Notwithstanding any other provision in this Agreement to the contrary, the School of Pharmacy at UC shall retain the final authority in determining each student's admission into Phase II of the Program, and retains final authority to deny any student admission into Phase II if, in the sole determination of the School of Pharmacy at UC, the student:

- Poses a serious risk of harm to the health or welfare of the employees and students of the School of Pharmacy at UC.
- Fails to demonstrate professional behavior appropriate to the environment of the School of Pharmacy at UC.
- Fails to maintain good academic and conduct standing throughout his/her matriculation at CU.
- Fails to comply with the published policies, rules, regulations at the School of Pharmacy at

UC and /or demonstrates behavior off campus which is likely to have an adverse effect on the School of Pharmacy at UC or the educational process.

- Fails to comply with all federal, state, and local laws.

Applications for admission to the School of Pharmacy at UC must be submitted to the Director of the Pre-Pharmacy Program at CU by November 28th of the third year of Phase I of the PROGRAM. The Director of the Pre-Pharmacy Program at CU will, in turn, forward these applications to the School of Pharmacy at UC on December 1st of the same year. Students will be contacted for an interview with UC School of Pharmacy faculty and the interview will occur no later than the second Friday in February of the following year. Students will receive official notification of acceptance into Phase II of the PROGRAM after receipt of their final CU transcript at the School of Pharmacy at UC.

All questions from students ACCEPTED into Phase II of the PROGRAM should be directed to the Admissions office of the School of Pharmacy at UC.

Three Year Undergraduate Program in Pre-Pharmacy at CU and Four Year Professional Pharmacy Program at the School of Pharmacy at UC CURRICULUM

Phase I

Year 1 Freshman Year

Fall Semester (credits)

BIOL 101	General Biology I	4
CHEM 101	Introductory Chemistry I	3
CHEM 107	Introd. Chemistry Lab	2
ENG 101	Composition & Rhetoric	3
MATH 103	Algebra	3
SOC 101	Sociology	
or PSY 101	Psychology	3
Semester Total		18

Spring Semester (credits)

BIOL 102	General Biology II	4
CHEM 102	Introd. Chemistry II	3
ENG 102	Composition & Rhetoric	3
MATH 104	Trigonometry	3
PHIL 212	Ethics	
or LSPL 301	Legal Ethics	3

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Year 2 Sophomore Year

Fall Semester (credits) Spring Semester (credits)

MATH 105	Elementary Statistics	3
CHEM 331	Organic Chemistry I	4
PHYS 101	Introductory Physics	4
BIOL 234	Human Anatomy & Phys.	4
HIST 101	History of Civilization I	
or HIST 102	History of Civilization II	
or POSC 101	Intro. to Political Science	3

Semester Total 18

BIOL 235	Human Anatomy & Phys.	4
BIOL 330	Microbiology	4
CHEM 332	Organic Chemistry II	4
PHYS 102	Intermediate Physics	4
ECON 201	Macroeconomics	
or ECON 202	Microeconomics	3

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Year 3 Junior Year

Fall Semester (credits) Spring Semester (credits)

CHEM 351	Quantitative Analysis	3	one more CHEM 300+ course	3
CHEM 425A	Gravimetric & Vol. An.	2	ENGL 204 World Literature II	3
CHEM 425D	Physical Properties	1	one more Social Science or ECON course	3
MATH 250	Calculus I	4	two of the following:	
P ED 101	Personal Wellness	2	ART 101 Intro. to the Visual Arts	
ENGL 203	World Literature I	3	or MUS 101 Intro. to Music	3
CART 101	Fundamentals of Speech	3	or CART 102 Intro. to Theater	3
Semester Total		18		15

All courses with the prefix designation BIOL and CHEM MUST be taken at CU. Occasionally, other courses may be taken during the summer at other institutions, at the discretion of the PROGRAM Director and the Chair of the Natural Sciences Division at CU. Students MUST register for graduation from CU during the spring semester of the junior year, before matriculation at the School of Pharmacy at UC. Graduation from Phase I of the PROGRAM will occur after completion of the first year of pharmacy school, during Phase II of the PROGRAM. During the 1st year at UC, the student will register for CHEM 450 Pharmacy Internship at CU; tuition and fees will not be charged by Concord for this internship.

The curriculum listed above will be required for conferral of the B.S. Degree as of the date of signing of this agreement. However, an undergraduate science curriculum evolves to meet the changing needs and, therefore, may occasionally change in course content, emphasis, and sequencing. Any updates to the curriculum will be published in the undergraduate catalog of CU.

Phase II

Year 4 First Year of Pharmacy School

Fall	SCH	Spring	SCH
PHAR 510 Intro. To Pharmacy Prac. & Law	3	PHAR 520 Pathophysiology	3
PHAR 511 Drug Literature Evaluation	3	PHAR 521 Human Response to Disease	3
PHAR 512 Immunology	3	PHAR 522 Pharmaceutics II	3
PHAR 512L Immunology Lab	1	PHAR 523 Pharmaceutics II Lab.	1
PHAR 513 Biochemistry	3	PHAR 524 Clinical Research Methods	2
PHAR 513L Biochemistry Lab	1	PHAR 525 Intro. Practice Experience I	1
PHAR 514 Pharmaceutics I (Calculations)	2	PHAR 526 Intro Health Ethics*	1
		Elective	3
Semester Total	16		17

**CONFERRAL OF THE BACHELOR OF SCIENCE DEGREE IN CHEMISTRY
(PHARMACY OPTION)**

Following successful completion of the first year of pharmacy school, receipt of the student's UC transcript at CU, and evaluation by the Dean of the College of Science, Engineering, and Health Sciences, the degree of Bachelor of Science in Chemistry (Pharmacy Option) will be conferred at Concord University during the May graduation ceremony.

Year 5 Second Year of Pharmacy School

Fall	SCH	Spring	SCH
PHAR 610 Pharmacokinetic Principles	3	PHAR 620 IPC& Sci. I (CVS I)	2
PHAR 611L Pharmacy Skills Laboratory	2	PHAR 621 IPC& Sci. II (Renal)	2
PHAR 612 Pharmacology	3	PHAR 622 IPC& Sci. III (CVS II)	2
PHAR 613 Measuring Health Outcomes	2	PHAR 623 IPC& Sci. IV (Resp)	2
PHAR 614 Intro. Prac. Exp. (Community) II	1	PHAR 624 IPC& Sci. V (Self Care/OTC)	2
PHAR 615 Human. and P-Econ. Outcomes	1	PHAR 625L IPC& Sci. Laboratory I	1
PHAR 616L Patient Assessment Skills Lab	1	PHAR 626 Intro. Prac.Exp. (Ambulatory) III	1
Elective	3	PHAR 627 Pharmacotherapy Outcomes	2
		PHAR 628 Exercises in Clinical Kinetics	1
		PHAR 629 Communications in Health Care*	2
Semester Total	17		17

Year 6 Third Year of Pharmacy School

Fall	SCH	Spring	SCH
PHAR 710 IPC& Sci VI (Inf Dis) 3			
PHAR 720 IPC& Sci. X (Psych) 2			
PHAR 711 IPC& Sci. VII (GI/Nutr) 2			
PHAR 721 IPC& Sci. XI (Musculo) 2			
PHAR 712 IPC& Sci. VIII (Endo/Repro) 2			
PHAR 722 IPC& Sci. XII (Hemonc) 2			
PHAR 713 IPC& Sci. IX (Neuro) 2			
PHAR 723 IPC& Sci. XIII (Special Pops) 3			
PHAR 714L IPC& Sci. Laboratory II 1			
PHAR 724L IPC& Sci. Laboratory III 1			
PHAR 715 Professional Prac Mgmt I 3			
PHAR 725 Professional Prac. Mgmt II 3			
PHAR 716 Intro. Prac. Exp. (Institutional) IV 1			
PHAR 726L Patient Skills Application Lab 1			
PHAR 717L Sterile Products Laboratory 1	1		
PHAR 727L Pharmacy Skills Laboratory			
Elective	3	PHAR 727 Pharmacy Law	3
Semester Total	18		18

Year 7 Fourth Year of Pharmacy School

Fall	SCH	Spring	SCH
PHAR 800 Ambulatory Care Clerkship	4	PHAR 806 Selective Clerkship (Amb/Comm)	4
PHAR 801 Comm. Clinical Clerkship	4	PHAR 807 Selective Clerkship (Amb/Comm)	4
PHAR 802 Medicine Clerkship	4	PHAR 808 Elective Clerkship	4
PHAR 803 Institutional Clerkship	4	PHAR 809 Elective Clerkship	4
PHAR 804 Advanced Certificate Track	1	PHAR 810 Advanced Certificate Track	1
PHAR 805 Advanced Health Ethics*	1	PHAR 811 Applied Research Project	1
Semester Total	18		18

The curriculum listed above will be required for conferral of the Pharm.D. degree as of the date of signing of this agreement. However, a pharmacy school curriculum evolves to meet the changing needs and, therefore, may occasionally change in course content, emphasis, and sequencing. Any updates to the curriculum will be posted on the website: pharmacy.ucwv.edu.

CONFERRAL OF THE DOCTOR OF PHARMACY DEGREE

The degree will be conferred upon successful completion of Phase I and Phase II of the PROGRAM, both didactic and clinical, and recommendation by both the faculty and administration of the School of Pharmacy at UC. Conferral of the Pharm.D. degree will be at the end of the fourth year at the School of Pharmacy at UC (7th year of the PROGRAM).

This Agreement shall be binding upon the principal parties hereto, their successors, and assigns. This document embodies the entire agreement between the parties hereto and may not be modified or terminated orally and there are no other understandings, agreements, or representations expressed or implied between said parties.

AGREEMENT:

THIS AGREEMENT made this _____ day of _____ 2006, by and between THE UNIVERSITY OF CHARLESTON SCHOOL OF PHARMACY of the City of Charleston, County of Kanawha, and State of West Virginia, hereinafter referred to as "the School of Pharmacy at UC" and CONCORD UNIVERSITY, of the City of Athens, County of Mercer, and State of West Virginia, hereinafter referred to as "CU." This agreement can be voided by either party with twelve (12) months notice being provided.

WITNESSETH:

WHEREAS, the School of Pharmacy at UC and CU are desirous of establishing a cooperative affiliation program of pharmacy leading to the Bachelor of Science Degree in Health Sciences from CU and the Doctor of Pharmacy Degree from the School of Pharmacy at UC, and

WHEREAS, the conferral of the B.S. Degree will occur after successful completion of the undergraduate portion (Phase I) of the PROGRAM and the first year of Phase II of the PROGRAM, and

WHEREAS, the conferral of the Pharm.D. degree will occur after successful completion of all coursework (didactic and clinical) and the recommendation of the School of Pharmacy at UC faculty and administration. The conferral of the Pharm.D. degree will be at the end of the fourth year of pharmacy school and at the end of the seventh year of the PROGRAM, and

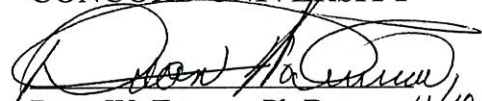
WHEREAS, it is contemplated that both institutions will coordinate their respective activities to achieve the above mentioned objective; and IN WITNESS THEREOF, and intending to be legally bound hereby. The parties have hereunto affixed their hands and seals the day and year written below.

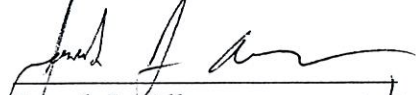
UNIVERSITY OF CHARLESTON

Richard E. Stull, Ph.D.
Dean, School of Pharmacy

Evan T. Robinson, Ph.D.
Assistant Dean for Academic Affairs

CONCORD UNIVERSITY


Dean W. Turner, Ph.D. 11/10/06
Vice President and Academic Dean


Joseph L. Allen 11/2/06
Division Chair of Natural Sciences

Date of Signing: _____