

Articulation Agreement
Associate in Science and Doctor of Pharmacy
Between
Community College of Philadelphia
and
Jefferson College of Pharmacy, Thomas Jefferson University

Section I: Program Description

The purpose of the *Early Assurance to Pharm.D. Program* is to provide highly-focused, high-achieving students at the *Community College of Philadelphia* (CCP) to receive special mentoring to pursue professional studies leading to the Pharm.D. (Doctor of Pharmacy). If all academic standards are achieved as described in this document, they will undergo a priority review by the Admissions Committee of The Jefferson College of Pharmacy (JCP) of Thomas Jefferson University (TJU). Under this condition, CCP and JCP agree to cooperate in providing a pathway leading to the Associate Degree in Biology (A.S.) and Doctorate (Pharm.D.) degrees from their respective institutions. The A.S. degree will be awarded by CCP at whatever point the student completes all CCP graduation requirements. While attending CCP, students will have the opportunity to develop close ties with Thomas Jefferson University and a deep understanding of the profession of pharmacy.

Section II: Requirements for Admission into and Continuation in the *Early Assurance to Pharm.D. Program* Associated with the Biology Major at CCP

The general admission requirements for CCP are detailed on the College's web site (<http://www.ccp.edu>).

Under the *Early Assurance to Pharm.D. Program* Agreement, qualified CCP students completing the A.S. in Biology program and will be assured a priority review for admission to the JCP at TJU provided they meet all the following requirements. In order to receive priority review by the JCP Admissions committee students must:

- Apply to, be admitted to, and enroll at CCP.
- Submit an application for admission to the *Early Assurance to Pharm.D. Program* associated with the A.S. in Biology to CCP's program coordinator, preferably at the time of original application to CCP, but no later than the end of the second year of full-time enrollment.
- Be accepted into the Program as determined by the CCP program coordinator. Admission into the Program will be competitive and based on the admission requirements of the program. The graduates will complete the course work required for the A.S. in Biology degree program and in addition, complete the course work required in the Proficiency Certificate in Biology program.
- Meet requirements of the program while at CCP. Requirements include:
 - Meeting CCP's academic requirements which require earning no less than a grade of "C" or better in all prerequisite courses for the Pharm.D. program and overall GPAs ≥ 2.7 (on a 4.0 scale) and a science GPAs ≥ 2.7 .
 - All prerequisite courses for the JCP Pharm.D. program must be completed no later than August 1st of the year students matriculate into the Pharm.D. program.
 - If a student takes any courses at another institution, providing official transcripts to the CCP program coordinator for evaluation to ensure that all JCP required courses are successfully completed. At the time of application to JCP, all transcripts from CCP and other accredited institutions must be verified through the PharmCAS application.
 - Meeting all CCP general education and Biology major course requirements.
 - Maintaining a record of academic honesty and free of judicial violations while at CCP.

- Actively participate in CCP/JCP Program co-curricular activities to enable students to appreciate the expectations for Pharm.D. students. Students are also encouraged to obtain experience to gain exposure to pharmacy practice prior to matriculation at JCP.
- Complete and submit the following to the CCP program coordinator no later than September 15th of the year preceding matriculation at JCP:
 - A letter stating their continued intention to utilize the Articulation Agreement to attend JCP.
 - Names/contact information for at least two and no more than four references that meet JCP stated requirements as noted on the JCP FAQ's page:
<https://www.jefferson.edu/academics/colleges-schools-institutes/pharmacy/admissions/faqs.html>.
 - A copy of the personal statement to be submitted to PharmCAS.
- Gain a positive letter of support from the CCP program coordinator.
- Meet all JCP program requirements as noted in Section III.

Section III: Admission Decisions for Acceptance to the Doctor of Pharmacy Program at JCP

The final determination of eligibility for admission to JCP Doctor of Pharmacy program will be the decision of JCP per Accreditation Counsel for Pharmacy Education (ACPE) requirements and will be based on the qualifications listed above and within this section. For students in the *Early Assurance to Pharm.D. Program* the optimal timing of the admission decision would occur by October 15th of the year preceding their planned matriculation at JCP. Candidates to transfer to the JCP Pharm.D. program must complete the JCP admission process by applying through PharmCAS (www.PharmCAS.org). Candidates will be strongly encouraged to complete the PharmCAS application by October 15th of the year preceding their planned matriculation at JCP.

Additional information regarding JCP Admissions is found at: <http://www.jefferson.edu/pharmacy/>.

JCP will provide placement (admissions) for students who complete all admission requirements by October 15th the year prior to their transfer to JCP. For an application to be considered complete by JCP it must include: 1) a completed PharmCAS application with transcripts verified by PharmCAS and 2) two letters of recommendation submitted through PharmCAS which meet the JCP requirements.

Final admissions decisions by JCP are based on:

- A reasonable plan for completion of all required JCP prerequisite courses with at least a C in each course prior to August 1st of the year of matriculation at JCP.
- Cumulative and science GPAs ≥ 2.7 .
- Successful completion of an interview at JCP following receipt of completed PharmCAS application.
- Meeting all technical standards as stated on JCP's webpage.
- Matriculation at JCP is contingent upon successful completion of all JCP required prerequisites with a grade of C or better and cumulative and science GPAs of ≥ 2.7 at the time of matriculation.

CCP's Program Coordinator will oversee:

- Review and discussion of personal statements to be included in the PharmCAS application which addresses why the applicant has selected pharmacy as a career and how the Doctor of Pharmacy degree relates to their immediate and long-term professional goals.
- A minimum of two letters of reference (submitted through PharmCAS) which meet the JCP requirements. A maximum of four letters may be submitted.
- Assistance to students with interview skills and recommendations.

Admissions procedures are as follows:

- Submission of application through PharmCAS ideally completed no later than October 15th of the year preceding desired transfer to JCP which includes two letters of reference which meet the JCP requirements, transcripts, and a personal statement.
- Qualified applicants submitting materials on time will be invited for an interview at JCP.
- The JCP Office of Admissions will notify students of the admission decision within fourteen (14) days of their interview. It is anticipated that these decisions will be made prior to January 1st in the year of matriculation at JCP if the CCP applicant is able to schedule and complete their JCP interview prior to January 1. JCP will also communicate admission decisions to the designated CCP program coordinator. JCP acceptance will be contingent upon successful completion of all prerequisite courses with a grade of C or better, cumulative and science GPAs ≥ 2.7 and completion of all JCP pre-matriculation requirements.

Section IV: Maintenance

CCP shall designate a faculty or staff member (CCP Program Coordinator) who will have responsibility to coordinate the program. This person will:

- Serve as the primary liaison between CCP and JCP of TJU and co-coordinate with JCP, joint program events, assessment, and agreement revisions.
- Coordinate the admission of CCP students into the *Early Assurance to Pharm.D. Program* associated with the Biology major.
- Advise, evaluate academic progress, coordinate activities, and maintain communication with program participants while at CCP.
- Provide student advisement regarding PharmCAS.
- Oversee the application process for CCP students including ensuring that letters of reference are appropriately submitted, assist undergraduate students with meeting TJU's requirements (e.g. completing TJU application, scheduling interviews) prior to matriculation at TJU.
Provide an annual list of all students enrolled in the CCP Pre-Pharmacy program to JCP, no later than October 1st.

JCP shall designate an individual who will:

- Serve as the primary liaison between JCP and CCP and co-coordinate with CCP, joint program events, assessment, and agreement revisions.
- Oversee the review of CCP applications following verification by PharmCAS.
- Collaborate with the CCP program coordinator to provide programming for CCP students related to topics such as careers in pharmacy, information about TJU and JCP, and the PharmCAS application process.
- With members of the JCP Admissions Office, coordinate marketing efforts and priority review of CCP students for the Pharm.D. program.
- Identify opportunities for CCP students to visit TJU and participate in student activities.
- Serve as a resource to the CCP program coordinator and CCP students regarding the JCP Doctor of Pharmacy Program.

Both CCP and TJU will assure that appropriate personnel in their respective institutions are made aware of the existence of this Agreement. Such persons will include admissions staff, career planning and placement officers, transfer coordinators, and faculty. Personnel from JCP will visit CCP regularly to meet with the CCP Program Coordinator and other appropriate faculty and administrators. Meetings with CCP students in the Pre-Pharmacy program will be arranged. The faculty, staff, and administration of CCP are encouraged to visit the campus of TJU.

CCP and TJU agree to consult with each other through appropriate channels prior to implementing major changes in policy or curricula that directly affect students transferring under the terms of this Agreement, and keep each other informed of any other changes of policy or curricula that affect those students. Both CCP and TJU will review this Agreement annually and make any changes upon mutual agreement, as needed. Such changes will become effective when both CCP and TJU sign an amendment which sets forth such changes.

Section V: Assessment

To serve as a basis for evaluating the program, JCP will develop aggregate and individual statistical information regarding application, applicant credentials, admissions decisions, and CCP student performance outcomes. This information will be shared with CCP to the extent permissible under the Family Educational Rights and Privacy Act (FERPA). All educational records created, disclosed, or maintained pursuant to the terms of this Agreement are confidential and shall be created, disclosed, and maintained pursuant to the provisions of FERPA.

Section VI: Marketing and Recruitment

Upon administrative and curricular approval, CCP and JCP will list the *Early Assurance to Pharm.D. Program* in CCP's Catalog and other appropriate materials, both in paper and electronic formats. Similarly, JCP will promote the joint program and supply CCP with promotional literature to be used in recruiting students into the *Early Assurance to Pharm.D. Program*. Promotional literature created by TJU or CCP must be reviewed by both parties prior to distribution.

Section VII: Length of Agreement

This Agreement will continue in effect beginning April 15 and will continue in effect for five (5) years unless terminated or amended. This Agreement may be terminated on June 30 of any calendar year by either institution via written notice at least one year in advance. The addresses to which written notice is to be sent are specified below:

Jefferson College of Pharmacy of
Thomas Jefferson University

Rebecca S. Finley, Pharm.D., M.S.
Dean
Jefferson College of Pharmacy
901 Walnut Street
Suite 901
Philadelphia, PA 19107

Community College of Philadelphia

Vishal Shah, Ph.D.
Dean
Division of Math, Science, and Health Careers
1700 Spring Garden Street
Philadelphia, PA 19130

In the event of termination, any CCP student enrolled in the *Early Assurance to Pharm.D. Program* at JCP at the date of termination shall be permitted to complete the program in accordance with the terms of this Agreement provided the CCP student meets all the program requirements.

Section VIII: General

- This agreement may only be amended, modified, or supplemented by an agreement in writing signed by the parties.
- No Third Party Beneficiaries. None of the benefits or obligations of either party under this Agreement shall run to or be enforceable by any CCP student or other third party.

- Assignment. Neither party shall assign, sell, or otherwise transfer this Agreement without the prior written consent of the other. Any such purported assignment, sale or transfer shall be void.
- Publicity. Except as permitted by this MOU, neither institution shall use the name or marks of the other institution in connection with any product, service, promotion, news release, or other publicity without the prior written consent of the other.
- Non-discrimination clause. The parties will abide by their respective policies of nondiscrimination in regard to sex, age, race, color, creed, national origin, disability, sexual orientation, gender identity, veteran status or any other status protected by Title VI of the Civil Rights Act of 1964, Title IX of the Education Amendments Act of 1972, the American with Disabilities Act, or any other applicable federal, state, or local law. The parties agree to reasonably cooperate with each other in any investigation of claims of discrimination or harassment, to the extent permitted by law.
- Electronic Signature. Provided that all parties execute a copy of this Agreement, this Agreement may be executed in counterparts, each of which shall constitute an original, and all of which together shall constitute one and the same document. This Agreement may be executed by the parties and transmitted by facsimile or electronic transmission, and, if so executed and transmitted, shall be effective as if the parties had delivered an executed original of this Agreement.

The willingness of both institutions to enter this Agreement in order to facilitate the transfer of students from CCP into JCP at TJU, and to expand their opportunities for academic success there, is indicated by the following signatures by authorized representatives for each institution.

Signatures For:

Community College of Philadelphia

**Jefferson College of Pharmacy,
Thomas Jefferson University**

DocuSigned by:
Samuel Hirsch
5499A131071C467...

Samuel Hirsch, Ed.D.
Vice President of Academic and Student Success

Date: 4/21/2022 | 11:35 AM EDT



Rebecca S. Finley, Pharm.D., MS
Dean

Date: April 15, 2022

DocuSigned by:
Donald Generals
9704580513E3456...

Donald Generals, Ed.D.
President

Date: 4/22/2022 | 12:56 PM EDT

JCP Doctor of Pharmacy (Pharm.D.) Prerequisite Courses Worksheet

Required Course List			
CCP Course #	Credits	CCP Course Title	CCP Gen Ed Attributes
ENGL 101	3	English Composition	Writing, Research & Information Literacy
ENGL 102	3	The Research Paper	Writing, Research & Information Literacy
ENGL 118	3	Intercultural Communication	Oral Communication/Creative Expression
CIS 103	3	Computer Applications and Concepts	Technological Competency
Social Sciences *	9		3 of these must meet Cultural Analysis and Interpretation
Humanities **	3		
BIOL 123	4	Principles of Biology - I	
BIOL 124	4	Principles of Biology - II	
BIOL 241	4	Principles of Microbiology	
BIOL 109	4	Anatomy and Physiology - I	Scientific Reasoning
BIOL 110	4	Anatomy and Physiology - II	
BIOL 281	4	Biochemistry I	
BIOL 211	4	Genetics	
CHEM 121	4	College Chemistry I	
CHEM 122	4	College Chemistry II	
CHEM 221	5	Organic Chemistry I	
CHEM 222	5	Organic Chemistry II	
PHYS 111	4	General Physics I	
MATH 171	4	Calculus I	Quantitative Reasoning
TOTAL CREDITS	78		
* Psychology, Sociology, Anthropology, Political Science, Economics, Geography, History.			
** Languages, Literature, Philosophy, Religion, Arts.			

Doctor of Pharmacy Curriculum Plan at Jefferson College of Pharmacy /Outline by Year

<i>First Year – P1 Fall</i>	<i>Credits</i>	<i>First Year – P1 Spring</i>	<i>Credits</i>
Biochemistry – PHRM510	3	Biostatistics – PHRM511	3
Preventive Healthcare and Self-Care Issues – PHRM512	2	Medicinal Chemistry – PHRM513	2
Pathophysiology I – PHRM514	3	Pathophysiology II – PHRM515	3
Pharmacy Practice I – PHRM516	1	Pharmacy Practice II – PHRM517	1
Healthcare Delivery Systems – PHRM519	2	Molecular and Cell Biology – PHRM520	3
IPPE: Healthcare Service Learning – PHRM522	*1	IPPE: Community Pharmacy – PHRM523	*1
Introduction to Pharmacy Practice Lab I – PHRM 599	1	Physical Assessment and Clinical Skills – PHRM526	1
Immunology – PHRM525	3	Introduction to Pharmacy Practice Lab II PHRM 592	1
		Student Pharmacist Enrichment Process	0.25
Total Credits	16		15.25

<i>Second Year – P2 Fall</i>	<i>Credits</i>	<i>Second Year – P2 Spring</i>	<i>Credits</i>
Drug Information and Literature Evaluation – PHRM527	3	Biopharmaceutics and Principles of Clinical Pharmacokinetics –PHRM535	3
IPPE: Hospital Pharmacy - PHRM528	*1	Pharmacology II – PHRM556	3
Medication Safety – PHRM529	2	IPPE: Ambulatory Care – PHRM537	*1
Pharmaceutics and Drug Delivery Systems – PHRM530	3	Pharmacy Practice IV – PHRM538	1
Pharmaceutics Lab – PHRM531	1	Clinical Diagnosis/Pharmacotherapy I: Introductory Pharmacotherapy Principles / Endocrine Module –	2
Pharmacology I – PHRM549	3	Clinical Diagnosis/Pharmacotherapy II: Renal / Gastrointestinal Module - PHRM555	2
Pharmacy Management: Theory and Applications – PHRM533	3	Pharmacy Practice Lab I - PHRM542	1

Pharmacy Practice III - PHRM534	1	Professional Elective(s)	**2-3
Pharmaceutical Calculations – PHRM521	2	Student Pharmacist Enrichment Process	0.25
Total Credits	19		(**15.25) 16.25

<i>Third Year – P3 Fall</i>	<i>Credits</i>	<i>Third Year – P3 Spring</i>	<i>Credits</i>
Pharmacology III – PHRM539	3	Clinical Diagnosis Pharmacotherapy V: Neurology-Psychology Module – PHRM546	3
Clinical Diagnosis/ Pharmacotherapy III: Cardiovascular /Pulmonary Module – PHRM557	3	Clinical Diagnosis/ Pharmacotherapy VI: Oncology Module – PHRM547	3
Clinical Diagnosis/Pharmacotherapy IV: Infectious Diseases Module - PHRM544	3	Pharmacy Practice Lab III – PHRM548	1
Pharmacy Practice Lab II - PHRM545	1	Pharmacoeconomics and Health Outcomes – PHRM551	3
Interprofessional Grand Rounds – PHRM550	2	Integrated Practice Applications – PHRM552	1
IPPE: Direct Inpatient Care – PHRM558	*2	Professional Seminar I – PHRM553	2
Professional Elective(s)	**2-3	IPPE: Elective Site – PHRM568	*2
		Professional Elective(s)	**2-3
		Pharmacy Law – PHRM610	1
		Student Pharmacist Enrichment Process	0.25
Total Credits	(**16)17		(**18.25) 19.25

Fourth Year – P4	
Advanced Pharmacy Practice Experiences (APPEs):	
4 Core	
<ul style="list-style-type: none"> • Community Pharmacy - PHRM630 • Hospital Pharmacy – PHRM64 • Ambulatory Care Pharmacy – PHRM650 • Direct Inpatient Care Pharmacy – PHRM660 	
2 Elective	
<ul style="list-style-type: none"> • Direct Patient Care – PHRM670 • Indirect Patient Care – PHRM680 	
[6 X 6 weeks each x 40 hours/week = 1440 hours] 36 credits	
Student Pharmacist Enrichment Process	0.25 credits
Board Review Course	1 credit
Total Credits	37.25 credits
Total Pharm.D. Curriculum Credits	141 credits

* = Without regard to semester; IPPE = Introductory Pharmacy Practice Experience

** = Elective requirement is 8 credits of which a minimum of 4 credits must be earned from non-independent study, JCP-approved elective offerings.