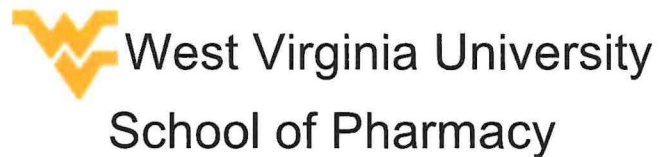


ARTICULATION AGREEMENT BETWEEN



and

Glennville State University

for a

Dual-Degree Program

**Bachelor of Science in Health Sciences with Pre-
Pharmacy Concentration or Bachelor of Arts in
Chemistry with a Biology minor (GSU)**

and

Doctor of Pharmacy Degree (WVUSoP)

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Articulation Agreement between West Virginia University School of Pharmacy and Glenville State University

Dual-Degree Program for a Bachelor of Science in Health Sciences with Pre-Pharmacy concentration or Bachelor of Arts in Chemistry with a Biology minor (GSU) and Doctor of Pharmacy Degree (WVUSoP)

INTRODUCTION AND OBJECTIVES

The West Virginia University Board of Governors on behalf of West Virginia University and its School of Pharmacy (WVUSoP) and Glenville State University (GSU) agree to provide a cooperative undergraduate/professional program leading to a Bachelor of Science in Health Sciences with Pre-Pharmacy concentration or Bachelor of Arts in Chemistry with a Biology minor (hereinafter, Bachelor's degree or program) from GSU and a Doctor of Pharmacy (PharmD) degree from WVUSoP.

Such a cooperative program is being created and sustained in an effort to fulfill the following mutual objectives:

- To attract qualified students to GSU and WVUSoP.
- To cooperatively provide a qualified student the opportunity to complete the baccalaureate degree and the PharmD degree.
- To facilitate the transition of students from GSU to WVUSoP.
- To provide advisement for students at GSU who intend to pursue professional study at WVUSoP.
- To encourage academic and administrative coordination between the institutions and the exchange of evaluative information on outcomes of the program with the goal of continual improvement.

OVERVIEW

To offer the students at GSU the opportunity to pursue a Bachelor's degree from their home institution and a PharmD degree from WVUSoP. The dual-degree program will require the GSU students to spend their first three years at GSU (Appendix 1) and their last four years at WVUSoP. The GSU students will earn their Bachelor's degree from GSU after they have completed the necessary courses in their first professional year of the Doctor of Pharmacy program, which corresponds to the fourth year of the dual-degree Bachelor's program. The PharmD degree will be awarded after successful completion of all the degree requirements in the professional program. The parties to this collaboration will offer the appropriate combination of courses to ensure that a student can complete the requirements for the Bachelor's degree from GSU and the WVUSoP PharmD degree.

ADMISSIONS CRITERIA

In order to participate in this program, students must apply and be admitted to the WVUSoP. Students will apply in the fall semester of their junior year at GSU, and WVUSoP will grant an interview to all GSU students who meet the minimum admissions criteria as outlined below:

- Apply through PharmCAS by the priority deadline of October 1st of the year before they intend to start at the WVUSoP.
 - Applications to WVUSoP must be submitted through PharmCAS at <https://www.pharmacas.org/node/32/webform/submission/93>. No supplemental application is required.
- Minimum pre-requisite college GPA ≥ 2.8
- Completion of all pre-requisite courses (with a grade of C or better) by the end of the summer semester prior to matriculation to the WVUSoP.

Students are subject to all applicable admissions and graduation requirements, including successful completion of an on-campus admissions interview in the fall semester prior to

matriculation. Additional information can be found here:
<https://pharmacy.hsc.wvu.edu/student-services/pharmd-admissions/>

Admission to the WVUSoP program is competitive and granted on a rolling basis for applications received no later than June 2nd of the matriculation year. Please check the WVUSoP website for more information.

Dual Degree Criteria

Consideration for admission to WVUSoP will be based on the applicant's potential for academic and professional achievement and an assessment of written and verbal communication skills, critical thinking skills, integrity, dedication, motivation, character and maturity. To be considered for admission to WVUSoP under the terms of this agreement, a prospective student must:

- a. Be enrolled at GSU in the Bachelor's program. Students should plan to apply to the Doctor of Pharmacy Program in the fall semester in which they expect to complete the course requirements listed in Appendix I for the Bachelor's degree by the upcoming summer at GSU.
- b. Earn a grade of C or better in each prerequisite course. All pre-pharmacy coursework must be completed by **the end of the summer semester** prior to matriculation.
- c. Earn a college grade point average of ≥ 2.8 (4.0 scale) as required for admissions to the WVUSoP PharmD program (both science/math and cumulative). The GPAs are calculated based on the prerequisite course work listed in Appendix I.
- d. Submit an application to PharmCAS (<https://www.pharmacas.org/node/32/webform/submission/93>).
- e. Submit all transcripts to PharmCAS. Academic performance will only be evaluated for prerequisite coursework undertaken by the students, but transcripts for all college coursework must be submitted to PharmCAS.
- f. Submit a required minimum of three letters of evaluation directly to PharmCAS.
- g. Submit a personal statement directly to PharmCAS.
- h. Complete the WVU on-campus interview with members of the faculty and Admissions Committee (by invitation only).
- i. Provide all required documents including transcripts, medical forms, and other pre-matriculation requirements by August 1st of matriculation year.
- j. Satisfy the [Technical Standards](#) for admission to the program as listed on the website.

ADMISSIONS PROCEDURE

Counseling and admissions of students entering the PharmD program through this Articulation Agreement will be through the following procedures and policies:

- a. Application for undergraduate admissions will be made to GSU, where the prospective student will be subject to the admission requirements of GSU.
- b. GSU is responsible for informing students, who are applying for admission to the PharmD program through this Articulation Agreement, of the admission criteria as described above.
- c. Through academic advising at GSU, students will be made aware of the courses available at GSU that will be used to meet degree requirements for the Bachelor's degree and meet the prerequisites for admission into the WVUSoP.
- d. Students should express interest in the degree program at the time of the student's admission to GSU or early enough in the student's undergraduate academic program at GSU to permit the student to complete the prerequisite courses for admission to the WVU PharmD Program.
- e. Successfully complete the requirements of GSU's Bachelor's program.

REQUIREMENTS FOR DUAL-DEGREE WHILE AT GSU AND FOR THE BA or BS DEGREE

- f. The student must complete all courses listed in Appendix I for either the BS in Health Sciences with Pre-Pharmacy concentration or BA in Chemistry with a Biology minor which includes the general education requirements at GSU
- g. The student must submit all of the required documents for admission to the PharmD program.
- h. The student must complete all of the prerequisite courses for the PharmD program (see asterisked courses in Appendix I).
- i. In order for the Bachelor's degree at GSU to be awarded, students must successfully complete all of the specified required courses in the WVUSoP Pharmacy curriculum (see Appendix II). Upon completion of P1 coursework, the student must request an official transcript from the [WVU Office of the University Registrar](#) to send to GSU. Transcripts must be received within 18 months after their last enrollment with GSU.
- j. The student must satisfy all other graduation requirements according to the academic policies set by GSU.

REQUIREMENTS FOR DUAL-DEGREE WHILE AT WVUSoP AND FOR THE PHARM D DEGREE

- k. The student must complete all of the specified first year professional courses in the PharmD program to satisfy the requirements for the Bachelor's degree at GSU.
- l. The student must satisfy all other graduation requirements according to the academic policies set by the WVUSoP to earn the PharmD degree.

POLICIES AND REGULATIONS

Students will be required to comply with the rules and regulations governing academic performance, grade appeals, and student behavior as established and published by GSU and WVUSoP respectively, depending on the institution at which the student is currently enrolled or where the applicable event/conduct occurred.

TUITION AND FEES

Students involved in this collaboration will be responsible for tuition and fees in accordance with the policies established by the institution in which they are enrolled.

RESPONSIBILITIES OF BOTH PARTIES

GSU Responsibilities:

As part of this Articulation Agreement, GSU shall:

- i. Recruit qualified students who show promise for the dual-degree program.
- ii. Identify a program advisor.
- iii. Counsel applicants for the dual-degree program during the first three years of undergraduate coursework.
- iv. Assure that GSU students have met the graduation requirements of GSU. GSU will waive the policy requiring students who interrupt their schooling by two or more regular academic semesters to be readmitted under the most current catalog for 18 months after their last enrollment with GSU.
- v. Work with WVUSoP on promotional materials about the dual-degree program.
- vi. Ensure the Bachelor's degree program maintains compliance with all of the accreditation/regulatory standards.

WVUSoP Responsibilities:

As part of this Articulation Agreement, WVUSoP shall:

- vii. Work closely with the GSU program advisor to provide support for interested GSU students each year.
- viii. WVUSoP will offer a mentorship program between pre-pharmacy students at GSU and a WVUSoP faculty member that includes (1) in-person meetings once per semester (the WVUSoP faculty member will come to GSU), (2) guidance on the PharmCAS application and interview process and (3) opportunities to network with current PharmD students.
- ix. Grant the PharmD degree to students who have successfully completed the requirements of the PharmD program.
- x. Provide to GSU an annual list of students who entered the PharmD program via this Articulation Agreement and successfully completed the program.
- xi. Provide regular updates about curricular changes as they relate to the PharmD program.
- xii. Ensure the PharmD program maintains compliance with all of the accreditation standards mandated by the Accreditation Council for Pharmacy Education.

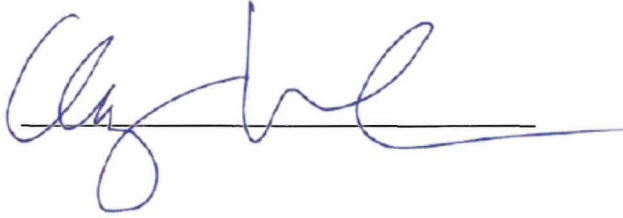
MUTUAL TERMS AND CONDITIONS

- m. Term of Agreement. This agreement shall be reviewed annually in the spring for changes in curriculum or graduation requirements implemented by either institution. The Agreement will be in effect for a period of five years from the date it is signed by all necessary parties, and may be renewed upon mutual agreement through a renewed agreement.
- n. Termination of Agreement. WVUSoP or GSU may terminate this Agreement for any reason with ninety (90) days advanced written notice. Should either party terminate this Agreement prior to the completion of an academic semester, all students enrolled at that time may continue their educational experience until it would have been concluded absent the termination.
- o. Modifications and Amendments of Agreement. This Agreement shall only be modified in writing with the same formality as the original Agreement. If appendices require updates, this Agreement may be amended by written agreement of the parties made subsequent to this agreement. To be effective, such amendments must make explicit reference to this agreement and must be signed by authorities with signature authority for the respective institutions.
- p. Nondiscrimination. The parties agree to continue their respective policies of nondiscrimination based on Title VI of the Civil Rights Act of 1964 in regard to sex, age, race, color, creed, veteran status, gender identify, and national origin, Title IX of the Education Amendments of 1972 and other applicable laws, as well as the provisions of the Americans with Disabilities Act.
- q. Assignment. Neither party shall assign, sell, or otherwise transfer this Agreement without prior written consent of the other. Any such purported assignment, sale or transfer shall be void.

DESIGNATED REPRESENTATIVES

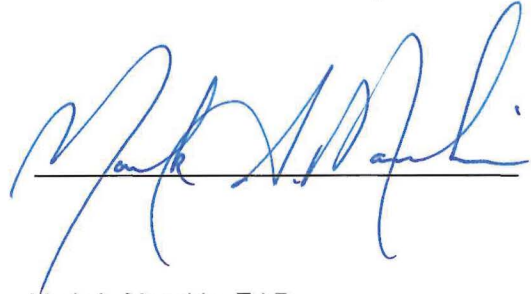
We, the undersigned, agree to the articulation of courses and requirements for the BS degree in Health Sciences with Pre-Pharmacy Concentration and BA in Chemistry at Glenville State University and the Doctor of Pharmacy degree offered by the West Virginia University School of Pharmacy.

For West Virginia University School of
Pharmacy



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APPENDIX I: GSU Curriculum Overview

Bachelor of Science in Health Sciences with Pre-Pharmacy Concentration

Pre-Requisite Courses for WVU School of Pharmacy are indicated by an asterisk*

First Year			
BIOL 120 (OR) BIOL 121*	4	BIOL 120 (OR) BIOL 121*	4
CHEM 101*	4	CHEM 102*	4
ENGL 101*	3	ENGL 102*	3
GSU 100	0	HLTH 105	3
HLTH 101	3	HLTH 107	3
MATH 115	3		
Total Hours – Fall Semester	17	Total Hours – Spring Semester	17

Second Year			
BIOL 361* (OR) CART 101*	4 or 3	CHEM 302*	4
CHEM 301*	4	CHEM 380* (OR) ECON 201*	4 or 3
ENGL 203, 204, 205 (OR) 206	3	HLTH 293	3
MATH 120	4	MATH 202*	4
Total Hours – Fall Semester	14 or 15	Total Hours – Spring Semester	14 or 15

Third Year			
BIOL 361* (OR) CART 101*	4 or 3	ART 200 (OR) MUSC 200	2
HIST 201, 202, 207, 208 (OR) POSC 203	3	CHEM 380* (OR) ECON 201*	4 or 3
HLTH 230*	4	HIST 201, 202, 207, 208 (OR) POSC 203	3
PED 333	2	HLTH 231*	4
SCNC 390	1	MATH 256*	3
Total Hours – Fall Semester	13 or 14	Total Hours – Spring Semester	15 or 16

*ECON 201 will be substituted for PSYC 201 for a Social Sciences General Education requirements

The remaining requirements for the Bachelor of Science in Health Sciences with the Pre-Pharmacy Concentration are satisfied by West Virginia University courses as reflected below:

Glennville State University		West Virginia University	
EXSC 455	3	PHAR 815	3
EXSC 493	6	PHAR 703 & PHAR 801	6
HLTH 435	3	PALM 301	3
PED 201	1	PHAR 802	1
SOCL 341	2	PHAR 810	2
SOCL 342	3	PHAR 811 & PHAR 812	3
GENERAL ELECTIVES	7	PHAR 710, PHAR 800 & PHAR 817	7
RESTRICTED ELECTIVES	3	PSIO 541	4
	28		29

Bachelor of Arts in Chemistry with a Minor in Biology
 Pre-Requisite Courses for WVU School of Pharmacy are indicated by an asterisk*

First Year			
BIOL 120 (OR) BIOL 121*	4	BIOL 120 (OR) BIOL 121*	4
CHEM 101*	4	CHEM 102*	4
ENGL 101*	3	ENGL 102*	3
GSU 100	0	MATH 256*	3
MATH 115	3		
Total Hours – Fall Semester	14	Total Hours – Spring Semester	14

Second Year			
BIOL 361* (OR) CHEM 321*	4	CHEM 302*	4
CHEM 293*	1	CHEM 380* (OR) CART 101*	4 or 3
CHEM 301*	4	HIST 201, 202, 207,208 (OR) POSC 203	3
ENGL 203, 204, 205 (OR) 206	3	MATH 202*	4
MATH 120	4		
Total Hours – Fall Semester	16	Total Hours – Spring Semester	14 or 15

Third Year			
BIOL 361* (OR) CHEM 321*	4	ART 200 (OR) MUSC 200	2
HIST 201, 202, 207,208 (OR) POSC 203	3	CHEM 380* (OR) CART 101*	4 or 3
HLTH 230*	4	HLTH 231*	4
PHYS 201	4	ECON 201*	3
		PHYS 202	4
Total Hours – Fall Semester	15	Total Hours – Spring Semester	16 or 17

The remaining requirements for the Bachelor of Arts in Chemistry are satisfied by West Virginia University courses as reflected below:

Glennville State University		West Virginia University	
CHEM 493	2	PHAR 703 & PHAR 710	2
CHEMISTRY ELECTIVE	7	PHAR 801 & PHAR 812	7
GENERAL ELECTIVE	21	PALM 301, PSIO 541, PHAR 800, PHAR 802, PHAR 807, PHAR 810, PHAR 813 & PHAR 817	21
	30		30

The 20 credit hours for the Biology Minor are satisfied by BIOL 120 (4), BIOL 121 (4), BIOL 361 (4) and counting HLTH 230 (4) and HLTH 231 (4) as biology electives.

APPENDIX II: P1 Year PharmD Curriculum at West Virginia University School of Pharmacy

For purposes of articulation agreement with Glenville State University

Year 1

Fall

Spring

<i>Course</i>	<i>Credits</i>	<i>Course</i>	<i>Credits</i>
PALM 301: Principles of Human Anatomy	3	PHAR 810: Community Pharmacy Practice	2
PSIO 541: Integrative Physiology	4	PHAR 811: Foundational Pharmacy Skills	1
PHAR 800: Introduction to Pharmacy	4	PHAR 812: Drug Chemistry	2
PHAR 801: Drug Delivery	5	PHAR 813: Biopharmaceutics and Pharmacogenomics	4
PHAR 802: Preparation of Pharmaceutical Products	1	PHAR 814: Biochemical Pharmacology	4
PHAR 807: Pharmacy Calculations	1	PHAR 815: Self-Care	3
PHAR 703: Pharmacy Practice Experience 1	1	PHAR 817: Principles of Immunology and Microbiology	2
		PHAR 710: Pharmacy Practice Experience 2	1
Total Credits	19	Total Credits	19

Courses and Course Catalog Descriptions:

Fall Year 1 Curriculum:

PALM 301. Principles of Human Anatomy. 3 Hours.

PR: Admission to WVU's dental hygiene, nursing, or pharmacy program or consent. Lectures and demonstrations on the gross and microscopic anatomy of the human body including development. Pre-requisite(s) and/or co-requisite(s) may differ on regional campuses.

PSIO 541. Integrative Physiology. 4 Hours.

PR: First professional year standing in the School of Pharmacy. A systematic examination of the homeostatic functions of the human body with emphasis on the physicochemical mechanisms involved. Pathophysiology and clinical correlations related to pharmacy are introduced in relation to normal physiology.

PHAR 800. Introduction to Pharmacy. 4 Hours.

PR: First professional year standing or consent. Introduces students to the profession and practice of pharmacy. Students will gain an understanding of the history of pharmacy, the role of pharmacists in the US healthcare system, and the foundations of pharmacy law. Students develop hands-on skills in patient communication and drug information retrieval.

PHAR 801. Drug Delivery. 5 Hours.

An introduction to the concepts and techniques involved in the design and evaluation of pharmaceutical dosage forms, principles of physical pharmacy and drug delivery, and their applications in patient care.

PHAR 802. Preparation of Pharmaceutical Products. 1 Hour.

Preparation of sterile and non-sterile dosage forms. Students will apply the principles of pharmaceuticals to the preparation of pharmaceutical products.

PHAR 807. Pharmacy Calculations. 1 Hour.

Gain experience in pharmaceutical calculations that reflect activities in a variety of practice settings.

PHAR 703. Pharmacy Practice Experience 1. 1 Hour.

PR: First professional year standing or consent. Introduces student to the practice of pharmacy with a focus on career exploration. Pharmacy Practice Experience (PPE) 1 is the first course in a sequence that introduces students to the roles of pharmacists in a variety of practice settings. Interprofessional education (IPE) is introduced and emphasized throughout the course.

Spring Year 1 Curriculum:**PHAR 810. Community Pharmacy Practice. 2 Hours.**

PR: First professional year standing or consent. Focuses on the various roles of a pharmacist including the prescription dispensing and medication management processes in the community pharmacy setting. Legal aspects of community pharmacy practice are also discussed.

PHAR 811. Foundational Pharmacy Skills. 1 Hour.

PR: First professional year standing or consent. Provide students with foundational skills necessary for the provision of patient care including physical assessment, point of care testing, and oral and written communication. Many skills learned during this course will be further strengthened throughout pharmacy school.

PHAR 812. Drug Chemistry. 3 Hours.

PR: First professional year standing or consent. Introduces principles of chemical stability and chemical properties as they relate to drugs and to the basic metabolic processes observed for drug molecules.

PHAR 813. Biopharmaceutics and Pharmacogenomics. 4 Hours.

PR: First professional year standing or consent. Develops an understanding of fundamental principles of biopharmaceutics and pharmacogenomics.

PHAR 814. Biochemical Pharmacology. 4 Hours.

PR: First professional year standing or consent. Provides a basis for understanding the biochemical and molecular mechanisms by which drugs and the body interact. This course will use drug classes to introduce foundational concepts of drug action and the application of pharmacological tools to better understand how drugs work in the body.

PHAR 815. Self-Care. 3 Hours.

PR: First professional year standing or consent. Provides an introduction to nonprescription medications and the application to patient care. Learners will assess the patient, make appropriate recommendations, and educate the patient on self-care treatment options for commonly encountered disease states and patient complaints.

PHAR 817. Principles of Immunology and Microbiology. 2 Hours.

PR: First professional year standing or consent. Introduces scientific principles of immunology as well as introduces students to the pharmacist's role as vaccination advocate, and provides the knowledge and skills required to safely administer vaccines. Lastly, it provides an introduction to microbiology and mechanisms of action of antibiotics.

PHAR 710. Pharmacy Practice Experience 2. 1 Hour.

PR: PHAR 703 or consent. Introduces student to the practice of pharmacy with a focus on career exploration. Pharmacy Practice Experience (PPE) 2 is the second course in a sequence that introduces students to the roles of pharmacists in a variety of practice settings. Interprofessional education (IPE) is introduced and emphasized throughout the course.