

**MEMORANDUM OF UNDERSTANDING BETWEEN
MARSHALL UNIVERSITY AND GLENVILLE STATE UNIVERSITY**

**FOR GUARANTEED ADMISSION INTO EITHER A
FAST TRACK (3+4) OR TRADITIONAL (4+4) PROGRAM OF STUDY
LEADING TO A DOCTOR OF PHARMACY DEGREE**

Marshall University (Marshall), a state of West Virginia institution of higher education, whose address is One John Marshall Drive, Huntington, WV 25755; and Glenville State University (GSU), a State of West Virginia institution of higher education whose address is 200 High Street, Glenville, WV 26351 in order to facilitate the efficient transfer of students between the two institutions, hereby establish this articulated program of study leading to the Doctor of Pharmacy degree (Degree) to be granted by Marshall. Students who have satisfactorily completed the program of study outlined in this Memorandum of Understanding (MOU) and who meet admission requirements for the School of Pharmacy may be admitted to the Marshall University School of Pharmacy (MUSOP) to complete the requirements for the Degree.

I. CURRICULUM

Marshall and GSU agree that the courses listed in *Appendix A* are equivalent regarding content and student learning objectives. The successful completion of these courses is required for admission to the Degree as outlined in this MOU.

GSU faculty and staff will advise students working toward the Degree to ensure their previous, current, and future courses fulfill the requirements listed herein. This advising includes enrollment in those courses that are prerequisite requirements for the courses listed in *Appendix A*. Course substitutions may be available upon the written approval of Marshall's Dean of the School of Pharmacy.

Students attending GSU who elect to pursue the Doctor of Pharmacy degree will complete the courses listed in *Appendix A* through GSU. Upon admission to the MUSOP, the required courses will be accepted by Marshall as equivalent to corresponding pre-pharmacy Core Course Requirements.

A. ACCELERATED (3+4) PATHWAY

Students must complete all courses listed in *Appendix B* for either the Bachelor of Arts in Chemistry with a Biology minor, or a Bachelor of Science in Health Sciences with Pre-Pharmacy concentration prior to matriculation into the Doctor of Pharmacy at Marshall. Upon successful completion of the Year 4 curriculum at Marshall as outlined in Appendix C, students must request their transcript to be sent to GSU's Registrar's office to be awarded their baccalaureate degree from GSU. Transcripts must be received within 18 months after their last enrollment with 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.

Students who do not complete the sequence of courses as outlined in *Appendix B* of this MOU may require additional time and expense to complete the prerequisite courses for the Degree.

B. TRADITIONAL (4+4) PATHWAY

Students may complete an undergraduate bachelor's degree, in any major, which includes the prerequisite courses listed in *Appendix A* required for admission into the Degree.

II. MATRICULATION PROCESS

The MUSOP admission cycle is a three-stage process which includes initial applicant screening, on-site interview, and the admission decision. Approximately 40% of applicants will be offered an on-site interview during any admission cycle. All students completing either the 3+4 Accelerated Pathway or Traditional Pathway who meet or exceed the minimum requirements as identified below will receive preferential treatment during the MUSOP admission cycle. Receipt of preferential treatment absolves GSU students who meet the requirements of this articulation agreement from the initial screening and guarantees the student an onsite interview.

As part of this agreement, Marshall agrees to give guaranteed admission during each admission cycle to two or more¹ GSU students who meet the minimum transfer requirements. The minimum requirements are:

1. Minimum cumulative grade point average of 3.0 at GSU;
2. A grade of C or better earned for each course listed in as a Core Course Requirements in *Appendix A*;
3. Completed application for "Priority Admission" by September 15th the year before they intend to start in the pharmacy program through the online Pharmacy College Application Service (PharmCAS, at <http://www.pharmcas.org>);
4. Submission of the Marshall's School of Pharmacy supplemental application and all required application fees by the date of on-campus interview;
5. Successful completion of an on-campus admissions interview (interviews are normally held in late September/early October).

III. TERMS OF THE AGREEMENT

This MOU supersedes all currently existing articulation agreements or MOUs between Marshall and GSU regarding the Degree. Students who started their coursework during a

¹ GSU will receive a minimum of two guaranteed seats for students matriculating to MUSOP. More student seats may be available within any year depending upon use of guaranteed seats allocated to peer institutions

previous agreement may proceed as outlined in that agreement with the expectation that all students will complete the GSU course work by the end of the 2025-26 academic year.

Marshall and GSU agree to monitor and support the provisions of this MOU to ensure program consistency and quality, and transferability of the benefit of the students of both institutions. This agreement and the relevant transfer course equivalences will be reviewed annually in May or any time that relevant program changes are made at either institution. The Dean of Health Sciences is responsible for this annual review at GSU. Marshall will designate an individual for the annual monitoring of this agreement.

Both institutions will maintain their accreditation with the regional accrediting agency overseeing each institutions' operations. Marshall shall maintain its accreditation with the Accreditation Council for Pharmacy Education.


Interpretation of this agreement will be made within the laws of the State of West Virginia.

Marshall and GSU may modify this MOU as necessary due to changes in curriculum or graduation requirements implemented by either institution, upon mutual written agreement of the parties. This process will be the responsibility of the appropriate deans at both institutions. This MOU may be terminated upon thirty (30) days written notice to the other party: provided that the students currently pursuing a degree shall be permitted to complete the degree.

Students pursuing the Degree through the MOU will be bound by the curriculum requirements in effect at the time they are officially accepted into the MUSOP program. The attached curriculum requirements will be in effect until officially changed and agreed upon, in writing, by both institutions.

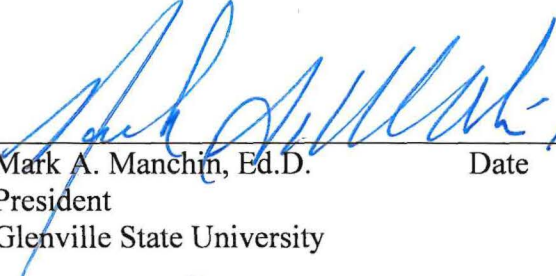
<p>THE REMAINDER OF THIS PAGE IS INTENTIONALLY LEFT BLANK SIGNATURES TO FOLLOW ON THE NEXT PAGE</p>
--

The terms of this agreement are hereby approved on **March 1, 2021** by the respective administration of the two schools.



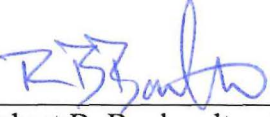
Brad D. Smith
President
Marshall University

11/10/25
Date



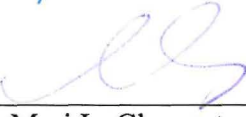
Mark A. Manchin, Ed.D.
President
Glennville State University

11-18-25
Date



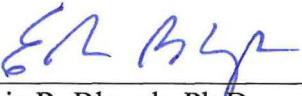
Robert B. Bookwalter, Ph.D.
Interim Provost and Senior Vice
President
Marshall University

11/10/25
Date




Mari L. Clements, Ph.D.
Provost and Vice President for
Academic Affairs,
Glennville State University

17 Nov 2025
Date



Eric R. Blough, Ph.D.,
Dean of the School of Pharmacy
Marshall University

11/7/25
Date



Kevin L. Evans, Ph.D.,
Dean of Health Sciences
Glennville State University

11/14/25
Date

APPENDIX A: COURSE EQUIVALENCIES FOR SCHOOL OF PHARMACY

Doctor of Pharmacy Degree

CORE COURSE REQUIREMENT	MARSHALL COURSE	GSU EQUIVALENT
Biology: <i>Principles of Biology I</i> w/lab	BSC 120	BIOL 120 (4)
Biology: <i>Principles Biology II</i> w/lab	BSC 121	BIOL 121 (4)
Biology: <i>Human Anatomy</i>	BSC 227	HLTH 230 (4) & HLTH 231 (4)
Biology: <i>Human Physiology</i>	BSC 228	
Biology: <i>Microbiology and Human Disease</i>	BSC 250	BIOL 250 (4) or BIOL 361 (4)
Chemistry: <i>Principles Chemistry I</i> w/lab	CHEM 211 & 217	CHEM 101 (4)
Chemistry: <i>Principles Chemistry II</i> w/lab	CHEM 212 & 218	CHEM 102 (4)
Chemistry: <i>Organic Chemistry I</i>	CHEM 355	CHEM 301 (4)
Chemistry: <i>Organic Chemistry II</i> w/lab	CHEM 356 & 361	CHEM 302 (4)
English: <i>Beginning Composition</i>	ENG 101	ENGL 101 (3)
English: <i>Advanced Composition</i>	ENG 201	ENGL 102 (3)
Mathematics: <i>Calculus with Analytic Geometry I</i>	MTH 229	MATH 202 (4)
Mathematics: <i>Statistics</i>	STA 225	MATH 256 (3)
Physics: <i>College Physics I</i> w/lab	PHY 201 & 202	PHYS 201 (4)

APPENDIX B: UNDERGRADUATE DEGREE OPTIONS FOR ACCELERATED (3+4) PATHWAY

Bachelor of Arts in Chemistry with a Minor in Biology

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	CART 101	3
CHEM 293	1	HIST 201, 202, 207,208 (OR)	3
ENGL 203, 204, 205 (OR)	3	POSC 203	
206		HLTH 231	4
HLTH 230	4	MATH 202	4
MATH 120	4		
Total Hours – Fall Semester	16	Total Hours – Spring Semester	14

Third Year			
BIOL 361 (OR) CHEM 321	4	ART 200 (OR) MUSC 200	2
CHEM 301	4	CHEM 302	4
HIST 201, 202, 207,208 (OR)	3	ECON 201, 202, GEOG 203,	3
POSC 203		PYSC 201 (OR) SOCS 225	
PHYS 201	4	PHYS 202	4
Total Hours – Fall Semester	15	Total Hours – Spring Semester	13

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

Glenville State University		Marshall University	
CHEM 380	4	PHAR 542	4
CHEM 493	2	PHAR 523	2
CHEMISTRY ELECTIVE	7	PHAR 537 (3) & PHAR 547 (4)	7
GENERAL ELECTIVE	21	PHAR 524 (2), PHAR 531 (3),	21
		PHAR 532 (3), PHAR 533 (3),	
		PHAR 536 (3), PHAR 537 (3) &	
		PHAR 544 (4)	
	34		34

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 B: UNDERGRADUATE DEGREE OPTIONS FOR ACCELERATED (3+4) PATHWAY

Bachelor of Science in Health Sciences with Pre-Pharmacy Concentration

First Year			
ART 200 (OR) MUSC 200	2	BIOL 120 (OR) BIOL 121	4
BIOL 120 (OR) BIOL 121	4	CART 101	3
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	15	Total Hours – Spring Semester	16
Second Year			
BIOL 361 (OR) PHYS 201	4	CHEM 102	4
CHEM 101	4	HLTH 231	4
HLTH 230	4	HLTH 293	3
MATH 120	4	MATH 202	4
Total Hours – Fall Semester	16	Total Hours – Spring Semester	15
Third Year			
BIOL 361 (OR) PHYS 201	4	CHEM 302	4
CHEM 301	4	ENGL 203, 204, 205 (OR) 206	3
HIST 201, 202, 207, 208 (OR)	3	HIST 201, 202, 207, 208 (OR)	3
POSC 203		POSC 203	
PED 333	2	MATH 256	3
SCNC 390	1	PSYC 201	3
Total Hours – Fall Semester	14	Total Hours – Spring Semester	16

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

Glenville State University		Marshall University	
EXSC 455	3	PHAR 531	3
EXSC 493	6	PHAR 533 (3) & PHAR 536 (3)	6
HLTH 435	3	PHAR 537	3
PED 201	1	PHAR 512	1
SOCL 341	2	PHAR 524	2
SOCL 342	3	PHAR 532	3
GENERAL ELECTIVES	3	PHAR 542	4
RESTRICTED ELECTIVES	7	PHAR 538 (3) & PHAR 547 (4)	7
	28		29

APPENDIX C: SCHOOL OF PHARMACY CURRICULUM FOR YEAR 1

Fall Semester

Course	Title	Credits
PHAR 591	Pharm Cont Prof Dev	0
PHAR 512	Pharmacy Skills Lab 1	1
PHAR 524	Drug Info & Comm Skills	2
PHAR 531	Biopharmaceutics I	3
PHAR 533	Introduction to Pharmacy 1	3
PHAR 542	Immunology and Microbiology	4
PHAR 547	Pharmaceutical Chemistry	4
		<hr/>
		17

Spring Semester

Course	Title	Credits
PHAR 592	Pharm Cont Prof Dev	0
PHAR 523	Pharmacogenomics	2
PHAR 532	Biopharmaceutics II	3
PHAR 536	Introduction to Pharmacy 2	3
PHAR 537	Pharmacokinetics	3
PHAR 538	Pharmacy Skills Lab 2	3
PHAR 544	Prin of Disease & Drug Action	4
PHAR 811	Pharm Prac Exp I	1
		<hr/>
		19