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School of Pharmacy

**MEMORANDUM OF UNDERSTANDING  
BETWEEN MARSHALL UNIVERSITY AND  
SHAWNEE STATE UNIVERSITY LEADING  
TO A DOCTOR OF PHARMACY DEGREE  
(Pharm.D.)**

Marshall University and Shawnee State University, in order to promote and facilitate the educational opportunities afforded students interested in pursuing a pharmacy education, establish this memorandum of understanding (MOU). This MOU stipulates a series of courses that, when satisfactorily completed by Shawnee State University students, will meet the Pharm.D. degree's prerequisite requirements and facilitate student enrollment within the Marshall University School of Pharmacy.

Marshall University and Shawnee State University agree to monitor and support the provisions of this agreement to ensure the consistency, quality, and transferability of students interested in pursuing a Pharm.D. degree. Marshall University and Shawnee State University agree to coordinate changes in the course content and/or requirements for any courses listed in the MOU for the purpose of ensuring continued comparability between the courses offered on each campus. Marshall University and Shawnee State University agree to renegotiate this agreement when changes to the Pharm.D. curriculum occur, or when changes in the graduation requirements for either institution become necessary. This process will be the responsibility of the appropriate deans at both institutions.

Students pursuing the Pharm.D. degree through the memorandum of understanding, will be bound by the curriculum description (Appendix A) in effect at the time they are officially accepted into the Pharm.D. program. The attached curriculum sheets dated October 5, 2011 will be in effect until officially changed and agreed upon by both institutions. The minimum transfer requirements to the Pharm.D. program with Marshall University are noted in (Appendix B).

Handwritten signature of Dr. Kevin Yingling in blue ink.

Dr. Kevin Yingling  
Dean  
Marshall University  
School of Pharmacy

Handwritten signature of Dr. Paul M. Madden in blue ink.

Dr. Paul M. Madden  
Associate Provost  
Shawnee State University

Handwritten date '3-27-13' in blue ink.

Date

**APPENDIX A:****PREREQUISITE CURRICULUM - SHAWNEE STATE UNIVERSITY TO MARSHALL UNIVERSITY  
EQUIVALENT COURSE WORK**

<u>Requirement</u>	<u>Marshall University</u>	<u>Shawnee State</u>
Calculus	MTH 229 (5)	MATH 2110 (4)
Statistics	MTH 225 (3)	MATH 1500 (3) or MATH 2500 (3)
General Biology I	BSC 120 (4)	BIOL 1151 (4)
General Biology II	BSC 121 (4)	BIOL 1152 (4)
Human Anatomy	BSC 227 (4)	BIOL 3560 (4)
Human Physiology	BSC 228 (4)	BIOL 3561 (4)
Microbiology	BSC 250 (4)	BIOL 3750 (4)
Gen Chemistry I Lab	CHM 211 (3) CHM 217 (2)	CHEM 1141 (4)*
Gen Chemistry II Lab	CHM 212 (3) CHM 218 (2)	CHEM 1142 (4)*
Organic Chemistry I	CHM 355 (3)	CHEM 3305 (4)*
Organic Chemistry II Lab	CHM 356 (3) CHM 361 (3)	CHEM 3306 (4)*
Physics I Lab	PHY 201 (3) PHY 202 (1)	PHYS 2201 or 2211 (4)*
Physics II Lab	PHY 203 (3) PHY 204 (1)	PHYS 2202 or 2212 (4)*

\* Lecture/Lab are combined

## APPENDIX B:

### PROCESS

Any student attending Shawnee State University that selects to pursue the Pharm.D. degree program at Marshall University, will take any/all of the courses listed in Appendix A through Shawnee State University. Upon transfer to Marshall University School of Pharmacy, the listed courses will be accepted by Marshall University as meeting the required pre-pharmacy course requirement indicated for that course.

As part of the memorandum of understanding, Marshall University School of Pharmacy agrees to give preferential consideration during each admission cycle for Shawnee State University students who select to transfer to the Pharm.D. program and meet the minimum transfer requirements. The minimum transfer requirements are:

1. Selection for receipt of preferential consideration by the appropriate Shawnee State University Dean or group. Shawnee State University will submit a list of students deserving preferential consideration to the Marshall University School of Pharmacy prior to December 15<sup>th</sup> of each year;
2. Minimum grade of 3.4 at Shawnee State University for all courses listed in the memorandum of understanding;
3. Application to the Marshall University School of Pharmacy through the online Pharmacy College Application Service (PharmCAS, at <http://www.pharmacas.org>);
4. PCAT  $\geq$  60 and completed within prior 12 months; PCAT scores submitted to Marshall University School of Pharmacy through PharmCAS;
5. Submission of the Marshall University School of Pharmacy supplemental application and all required applications fees;
6. Successful completion of an on-campus admissions interview;
7. Submission of an approved graduation plan (signed by SSU official(s)) that specifies the courses at Marshall that will be transferred back to SSU to allow the student to receive their SSU Bachelor's degree. All general education requirements must be finished prior to transfer since these courses will not back-transfer.