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School of Pharmacy

MEMORANDUM OF UNDERSTANDING BETWEEN MARSHALL UNIVERSITY AND ASHLAND COMMUNITY AND TECHNICAL COLLEGE LEADING TO THE DOCTOR OF PHARMACY DEGREE (Pharm.D.)

Marshall University and Ashland Community and Technical College (Ashland CTC), 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 Ashland CTC, students, will meet the Pharm.D. degree's prerequisite requirements and facilitate student enrollment within the Marshall University School of Pharmacy.

Marshall University and Ashland CTC 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 Ashland CTC 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 Ashland CTC 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, 2012 will be in effect until officially changed and agreed upon by both institutions.

Handwritten signature of Kevin Yingling, Pharm.D.
Dr. Kevin Yingling, Dean
School of Pharmacy
Marshall University

Handwritten signature of Kay Adkins
Signatory for Ashland CTC (Print)
President
Title of Signatory

Handwritten signature of Kay Adkins
Signature

**APPENDIX A: PREREQUISITE CURRICULUM – ASHLAND COMMUNITY
AND TECHNICAL COLLEGE TO MARSHALL UNIVERSITY EQUIVALENT
COURSE WORK**

Requirement	Marshall University	Ashland Community and Technical College
Calculus	MTH 229 (5)	MAT 175 Calculus 1 (5)
Statistics	MTH 225 (3)	STA 220 Statistics (3)
General Biology I	BSC 120 (4)	BIO 150 Principles of Biology I (3) BIO 151 Principles of Biology I Lab (2)
General Biology II	BSC 121 (4)	BIO 152 Principles of Biology II (3) BIO 153 Principles of Biology II (2)
Human Anatomy	BSC 227 (4)	BIO 137 Human A&P I
Human Physiology	BSC 228 (4)	BIO 139 Human A&P II (8 total)
Microbiology	BSC 250 (4)	BIO 227 Principles of Microbiology with Lab (4 total)
Gen Chemistry I + Laboratory	CHM 211 (3) CHM 217 (2)	CHE 170 General College Chem. I (3) CHE 175 Gen. College Chem. Lab I (1)
Gen Chemistry II + Laboratory	CHM 212 (3) CHM 218 (2)	CHE 180 General College Chem. II (3) CHE 185 Gen. College Chem. Lab II (1)
Organic Chemistry I	CHM 355 (3)	CHE 270 Organic Chemistry I (3) CHE 275 Organic Chemistry I Lab (1)
Organic Chemistry II + Laboratory	CHM 356 (3) CHM 361 (3)	CHE 280 Organic Chemistry II (3) CHE 285 Organic Chemistry II Lab (1)
Physics I + Laboratory	PHY 201 (3) PHY 202 (1)	PHY 201 College Physics I (4) PHY 202 College Physics Lab (1)
Physics II + Laboratory	PHY 203 (3) PHY 204 (1)	PHY 203 College Physics II (4) PHY 204 College Physics Lab (1)

APPENDIX B: PROCESS

Students attending Ashland CTC who select to pursue the Pharm.D. degree program at Marshall University will take any/all of the courses listed in Appendix A through Ashland CTC. 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 to Ashland CTC 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 Ashland CTC Dean or group. Ashland CTC will submit a list of students deserving preferential consideration to the Marshall University School of Pharmacy prior to December 15th of each year;
2. Minimum grade point average of 3.4 at Ashland CTC 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.