



MEMORANDUM OF UNDERSTANDING

between

Columbia Basin College

and

*the College of Pharmacy and Pharmaceutical Sciences at
Washington State University*



The Columbia Basin College (CBC) and Washington State University (WSU) hereby enter into a Memorandum of Understanding (MOU) to facilitate the implementation of the Customized Articulation Agreement (CAA) for the prerequisites courses required to be eligible to apply for entry into the Doctor of Pharmacy program at WSU.

The Customized Articulation Agreement is intended to eliminate duplication of coursework and better integrate programs to ensure a more efficient pathway to graduation. The purpose of this set of advising recommendations is to provide students of CBC a more efficient pathway to the WSU College of Pharmacy. Students who complete the CBC approved transferable Associate of Science-Transfer (AS-T) degree described in this document are eligible for admission into the Doctor of Pharmacy degree program. The focus of this agreement is to facilitate the acceptance of this specific AS-T degree as equivalent to the prerequisites required for the Doctor of Pharmacy program. Since admission to the Doctor of Pharmacy program is a competitive process, all students completing this AS-T degree must participate in and be accepted through the Doctor of Pharmacy admissions process as outlined on the website www.pharmacy.wsu.edu.

Transfer coursework for students completing the AS-T-Track 1 degree covered by this MOU will be applied to the Washington State University Common Requirements (UCORE, the general education program), as applicable under the WSU Transfer Course Equivalency Guidelines, and to the individual degree options within the college of pharmacy as specified in this agreement. The transfer of credit allowed under this MOU is structured to maximize the use of CBC credit applicable to each specific degree option, up to the total of 73 semester credits of lower-division transfer credit allowed under Washington State University policy. All such credit not applicable under the WSU Transfer Course Equivalency Guidelines applies only to the WSU degree(s) covered by this agreement. If students transfer prior to completing the transfer degree, acceptance of the courses toward a WSU degree will be based on WSU Transfer Equivalency Guidelines.


The agreed upon courses of study for completion of the pre-requisites is outlined in Attachment A of this MOU. Attachment A details the specific courses to be completed as a term-by-term course of study at CBC to fulfill the pre requisites required to be eligible to apply for entry into the doctor of pharmacy program.

The required course of study may be changed at any time with the mutual written agreement of the participating institutions. At such time, the Attachment to this MOU will be updated. Suggestions about which courses of study need to be reviewed will be called for each year. However, unless otherwise agreed upon by both institutions on an individual student basis, students will be responsible for completing the pre-requisites in effect at the time the student applies to the doctor of pharmacy program specified in this MOU.

The term of this MOU will be for three (3) years, beginning on the date of the last signature of the parties authorized to execute this MOU.

The undersigned certify this Memorandum of Understanding:

Washington State University



Dr. Elizabeth Chilton, Provost & Executive Vice President

10/19/2020
Date



Dr. Mary Wack, Vice Provost for Academic Engagement
and Student Achievement

10/16/20
Date

Daryll B. DeWald Digitally signed by Daryll B. DeWald
Date: 2020.10.06 16:31:00 -07'00'

Dr. Daryll DeWald, Vice President of Health Sciences

Date

Mark Leid Digitally signed by Mark Leid
Date: 2020.10.06 11:03:19 -07'00'

Dr. Mark Leid, Dean, CPPS

6 October 2020
Date

Columbia Basin College




Dr. Rebekah Woods, President

10.20.2020
Date



Dr. Michael Lee, Vice President for Instruction

10.19.2020
Date



Rod Taylor, Dean for Math, Science and Engineering

10.19.2020
Date

ATTACHMENT A
Term-by-Term Planning Sheet and Customized Articulation Agreement
Columbia Basin College, Associate of Science Transfer degree→
WSU College of Pharmacy Doctor of Pharmacy Program

Columbia Basin College

<i>Course #</i>	<i>Course Title</i>	<i>Quarter Credits¹</i>	<i>Sem. Credits</i>
Year 1 - Fall Quarter			
CHEM& 161	General Chemistry: w/Lab I	5	3.35
BIOL 211	Majors Cellular w/ Lab	5	3.35
MATH& 151	Calculus I	5	3.35
Total Credits		15	10.05
Year 1 - Winter Quarter			
CHEM& 162	General Chemistry w/ Lab II	5	3.35
BIOL 212	Majors Plant w/ Lab	5	3.35
MATH& 152 ²	Calculus II	5	3.35
Total Credits		15	10.05
Year 1 - Spring Quarter			
CHEM& 163	General Chemistry w/ Lab III	5	3.35
BIOL 213	Majors Animal w/ Lab	5	3.35
BIOL& 260 ³	Microbiology	5	3.35
Total Credits		15	10.05
Year 1 - Summer Quarter			
PYSC& 100	General Psychology	5	3.35
MATH& 146	Introduction to Probability and Statistics	5	3.35
ECON& 201	Micro Economics	5	3.35
Total Credits		15	10.05
Year One Total		60	40.2
Year 2 - Fall Quarter			
CHEM& 241	Organic Chemistry I	3	2.01
CHEM& 251	Organic Chemistry Lab I	2	1.34
BIOL& 241 ⁵	Human A & P I	5	3.35
ENGL& 101	English Composition I	5	3.35
Total Credits		15	10.05
Year 2 - Winter Quarter			
CHEM& 242	Organic Chemistry II	3	2.01
CHEM& 252	Organic Chemistry Lab II	2	1.34
BIOL& 242 ⁵	Human A & P 2	5	3.35
ENGL& 102	Composition II	5	3.35
Total Credits		15	10.05
Year 2 - Spring Quarter			
CHEM&243	Organic Chemistry III	3	2.01
CHEM& 253	Organic Chemistry Lab III	2	1.34
CHEM 260	Biochemistry (to be developed for Spring, 2022)	5	3.35
PHIL 106	Introduction to Logic	5	3.35
Total Credits		15	10.05
Year Two Total		45	30.15
Total CBC Credits		105	70.35

NOTES:

¹ Conversion formula for quarter to semester credits: Quarter credits x .67 = Semester credits

² Calculus II is not required as a pre-requisite for the doctor of pharmacy program but is a requirement of the AS-T degree.

³ BIOL& 260 Microbiology is not equivalent to MBios 304 and 305 at WSU, but will satisfy the Microbiology pre-req requirement for the doctor of pharmacy program.

⁴ CHEM 260 is not equivalent to MBioS 303 at WSU, but will satisfy the pre-req requirement for pharmacy.

⁵ BIOL& 241 and 242 are not equivalent to BIOL 315 and 353 at WSU, but will satisfy the pre-req requirement for pharmacy.

ATTACHMENT B
Pre-Pharmacy Course Equivalency at
CBC, Associate of Science Transfer degree→
WSU College of Pharmacy and Pharmaceutical Sciences Doctor of Pharmacy Program

Pre-Pharmacy Requirements

WSU PharmD Prerequisites

Written Communication I [W]
Written Communication II
Microeconomics
Introductory Psychology
Ethics or Logic

CBC Equivalent

ENGL& 101 (or other writing course)
ENGL& 102 (or other writing course)
ECON& 201
PSYC& 100
PHIL& 120 or 150

The courses *above* may be completed by the end of the summer term before beginning the PharmD program.
The courses *below* must be completed by the end of the spring term before beginning the PharmD program.

WSU PharmD Science Prerequisites

Calculus
Statistics
Introductory Biology
Principles of Chemistry
Organic Chemistry
Microbiology w/lab
Biochemistry
Gross and Microanatomy
Mammalian Physiology

CBC Equivalent

MATH& 151
MATH& 146
BIOL 211, 212, 213
CHEM& 161, 162, 163
CHEM& 241, 242, 243, 251, 252 and 253
BIOL& 260
CHEM 260 (to be developed by Spring 2022)
BIOL& 241 and 242
BIOL& 241 and 242