MEMORANDUM OF UNDERSTANDING

between

Columbia Basin College

and

the College of Agricultural, Human, and Natural Resource Sciences
Washington State University

Columbia Basin College (CBC) and Washington State University (WSU) hereby enter into a Memorandum of Understanding (MOU) based on a Customized Articulation Agreement (CAA) for transfer students from CBC to WSU with Associates of Arts (AA) Degree with an Emphasis in Crop & Soil Science (DTA) who follow the attached advising recommendations and matriculate into Bachelor in Science in Integrated Plant Sciences degree in Field Crop Management in the College of Agricultural, Human, and Natural Resource Sciences (CAHNRS) at Washington State University.

This 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 transfer pathway to Washington State University (WSU). Students who complete the AA degree with an Emphasis in Crop & Soil Science with at least a 2.0 cumulative grade point average will be certified as Field Crop Management majors at WSU; and will be granted Junior standing, assuming the total number of credits accepted in transfer equals at least 60 semester credits.

Transfer coursework for students completing the CBC 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 CAHNRS 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 are outlined in Attachments A and B of this MOU. Attachment A details the specific *set of requirements to be completed* at CBC and Washington State University in order to earn Bachelor of Science in Integrated Plant Sciences degree in Field Crop Management. Attachment B specifies the required *term-by-term course of study* as offered by CBC and WSU.

The required course of study may be changed at any time with the mutual written agreement of the participating institutions. At such time, the Attachments 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 the course of study at CBC and Washington State University in effect at the time the student enters the CBC Associates in Arts degree in Crop & Soil Science specified in this MOU.

The undersigned certify this Memorandum of Understanding:

Washington State University

Dr. Daniel J. Bernardo, Provost — Date: 8/2/18

Dr. Mary Wack, Vice Provost for Undergraduate Education — Date: 8/7/18

Dr. Richard Zack, Interim Associate Dean of Academic Programs
College of Agricultural, Human, and Natural Resource Sciences — Date: 19 June 2018

Dr. Rich Koenig, Chair of Crop & Soil Sciences — Date: 6/22/18

Columbia Basin College

Dr. Rebekah Woods, President — Date: 8/21/18

Ms. Melissa McBurney, ~~Associate~~ Vice President for Instruction
of Professional Technical Education & ~~Industrial~~ Instructional Services — Date: 8-21-18

ATTACHMENT A

Articulation Planning Grid

Columbia Basin College (CBC), Associates of Arts Degree, Emphasis in Crop & Soil Science (DTA) → WSU CAHNRS Bachelor in Science in Integrated Plant Sciences, Field Crop Management

CI Courses & Semester Credit Equivalents[1]		WSU Requirements & Semester Credits	
A: WSU UCORE Requirements			
		First-Year Experience	**3**
HIST& 128	3.35	[ROOT] Roots of Contemporary Issues = HIST 105	
		Foundational Competencies	**9**
MATH& 146	3.35	[QUAN] Quantitative Reasoning = STAT 212	
ENGL& 101	3.35	[WRTG] Written Communication = ENGLISH 101	
		One WRTG required plus either WRTG or COMM	
CMST& 220	3.35	[COMM] Communication = COM 102	
		Ways of Knowing	**16**
ECON& 201	3.35	[SSCI] Inquiry in the Social Sciences = ECONS 101	
HIST& 146	3.35	[HUM] Inquiry in the Humanities = HISTORY 110	
ART& 100	3.35	[ARTS] Inquiry in the Creative and Professional Arts = FINE_ART 101	
		Inquiry in the Natural Sciences	
		[BSCI] Biological Science = BIOLOGY 107 AND	4
CHEM& 121	3.35	[PSCI] Physical Science = CHEM 101[2]	
		Integrative and Applied Learning	**6**
HIST& 126	3.35	[DIVR] Diversity = HISTORY 120	
		[CAPS] Integrative Capstone	3
		400-level	
UCORE Credits at WSU at lower-division[3]			4
UCORE Credits at WSU at upper-division[4]			3
Total UCORE Credits to be completed at WSU			**7**

B: WSU Writing Requirements	
Writing in the Major (min. of two [M] courses)	CROP_SCI 411 AFS 302
Writing Portfolio	

CI Courses & Semester Credit Equivalents[1]	WSU Requirements & Semester Credits

C: Core Program Requirements			
BIOL 140	3.35	BIOL 120	
CHEM& 122 + 123[2]	6.70	CHEM 102	
HORT 202	3.35	CROP_SCI/ HORT 102	
HORT 203	3.35	CROP_SCI/ HORT 202	
BIOL 201	3.35	SOIL_SCI 201 & 202	
BIOL 252	3.35	ENTOM 343	
		ENTOM 351	3
		CROP_SCI 411 [M] **or** HORT 416	3
		PL_P 429	3
		CROP_SCI 495, 498, or 499	3
		CROP_SCI 412	1
Core Credits at WSU at lower-division[3]			**0**
Core Credits at WSU at upper-division[4]			**13**

CI Courses & Semester Credit Equivalents[1]		WSU Requirements & Semester Credits	
D: Major/Option Requirements			
		MATH 106 + 108	5
		CROP_SCI 302	3
		CROP_SCI 305	3
		CROP_SCI 403	3
		SOIL_SCI 441	3
		IPM 452	3
		ECONS 350 **or** ECONS 352	3
		AFS 302 (satisfies Major Elective and [M])	3
		Major Electives (upper division)	6
Major/Option Credits at WSU at lower-division[3]			**5**
Major/Option Credits at WSU at upper-division[4]			**27**

CI Courses & Semester Credit Equivalents[1]		WSU Requirements & Semester Credits	
E: Electives			
ENGL& 102	3.35	ENGLISH 1XX	
Health & Physical Education	3.35	Electives	
ECON& 202	3.35	Electives	
		Elective	3
Elective Credits at WSU at lower-division[3]			**3**
Elective Credits at WSU at upper-division[4]			**0**

SUMMARY	
Minimum Credits for WSU degree[5]	**120**
Total Upper-Division Credits at WSU[4]	**43**
Total Semester Credits transferred to WSU[6]	**65.66**
Total UCORE Credits to be completed at WSU	**7**
Total Core Credits to be completed at WSU	**13**
Total Major Credits to be completed at WSU	**32**
Total Elective Credits to be completed at WSU	**3**
Total Credits to be completed at WSU	**55**
Total Credits to complete articulated agreement	**120.66**

ATTACHMENT A

Articulation Planning Grid

Columbia Basin College (CBC), Associates of Arts Degree, Emphasis in Crop & Soil Science (DTA) → WSU CAHNRS Bachelor in Science in Integrated Plant Sciences, Field Crop Management

NOTES:

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

[2] CHEM& 121 is not a direct equivalent to CHEM 101. Students must complete the entire series of CHEM& 121, 122, and 123 to be equivalent to CHEM 101 and 102 at WSU.

[3] Upper-division courses may also fulfill these requirements.

[4] A minimum of 40 semester hours must be upper-division (300-400) credit (Rule 114).

[5] Minimum WSU graduation requirements are 120 total semester hours and a 2.0 overall grade point average (GPA). Each department may have specific GPA requirements.

[6] The maximum combined lower-division transfer credit allowed [from regionally accredited institutions, CLEP (College Level Examination Program), AP (Advanced Placement), IB (International Baccalaureate), Cambridge International, military, and any other source] shall be 73 semester credit hours toward a baccalaureate degree irrespective of when those hours were earned.

ATTACHMENT B

Term-by-Term Planning Sheet

Columbia Basin College (CBC), Associates of Arts Degree, Crop & Soil Science → WSU CAHNRS Bachelor in Science in Integrated Plant Sciences, Field Crop Management

Columbia Basin College

Course #	*Course Title*	*Quarter Credits*	*Sem. Credits*[1]
Year 1 - Fall Quarter			
BIOL 140	Botany w/ Lab	5	3.35
ENGL&101	English Composition	5	3.35
MATH& 146	Introduction to Stats	5	3.35
Total Quarter Credits		15	10.05
Year 1 - Winter Quarter			
HORT 202	Cultivated Plants w/ Lab	5	3.35
ENGL& 102	English Composition II	5	3.35
HIST& 126	World Civilizations I	5	3.35
Total Quarter Credits		15	10.05
Year 1 - Spring Quarter			
HIST& 146	U.S. History I [S/B]	5	3.35
	General Elective	5	3.35
BIOL 201	Soils w/ Lab	5	3.35
Total Quarter Credits		15	10.05
Year One Total		**45**	**30.15**
Year 2 - Fall Quarter			
HORT 203	Crop Growth and Development w/ Lab	5	3.35
CMST& 220	Public Speaking	5	3.35
HIST& 128	World Civilizations III	5	3.35
CHEM& 121	Intro to Chemistry w/ Lab	5	3.35
Total Quarter Credits		20	13.4
Year 2 - Winter Quarter			
ART& 100	Art Appreciation [H]	5	3.35
ECON& 201	Micro Economics	5	3.35
CHEM& 122	Intro to Organic Chemistry w/ Lab	5	3.35
	Health & PE Requirement	3	2.01
Total Quarter Credits		18	12.06
Year 2 - Spring Quarter			
BIOL 252	Insects of Economic	5	3.35
ECON 202	Macro Economics	5	3.35
CHEM& 123	Intro to Biochemistry w/ Lab	5	3.35
Total Quarter Credits		15	10.05
Year Two Total		**53**	**33.5**

Total CBC Credits	**95**	**65.66**

Washington State University

Year 3 - Fall Semester		
Course #	*Course Title*	*Sem. Credits*
MATH 106	College Algebra	3
BIOLOGY 107	Intro Cell Biology & Genetics	4
	General Elective	3
ECONS 350[2]	Intro to Farm & Ranch Mngt	3
Total Credits		13

Year 3 - Spring Semester		
Course #	*Course Title*	*Sem. Credits*
MATH 108	Trigonometry	2
CROP_SCI 302	Forage Crops	3
ENTOM 351	Ecological & Integrated Pest Management	3
CROP_SCI 495, 498, 499	Research Experience, Internship, Special Problems	3
AFS 302	Intro to Agroecology [M]	3
Total Credits		14

Year 4 - Fall Semester		
Course #	*Course Title*	*Sem. Credits*
CROP_SCI 305	Ecology and Management of Weeds	3
CROP_SCI 411 [M][4]	Crop Environment Interactions	3
CROP_SCI 403	Advanced Cropping Systems	3
PL_P 429	General Plant Pathology	3
	Major Elective[3]	3
Total Credits		15

Year 4 - Spring Semester		
Course #	*Course Title*	*Sem. Credits*
CROP_SCI 412	Seminar	1
IPM 452	Pesticides and the Environment	3
SOIL_SCI 441	Soil Fertility	3
	Major Elective[3]	3
	Integrative Capstone [CAPS]	3
Total Credits		13

TOTAL WSU CREDITS	**55**

ATTACHMENT B

Term-by-Term Planning Sheet

Columbia Basin College (CBC), Associates of Arts Degree, Crop & Soil Science →
WSU CAHNRS Bachelor in Science in Integrated Plant Sciences, Field Crop Management

NOTES:

[1] Conversion formula for quarter to semester credits: Quarter credits x .67 = Semester credits
[2] ECONS 352 can be taken in the spring as an alternative to ECONS 350.
[3] Major Electives: AFS 302, CROP_SCI 360, 401, 445, ENTOM 361, HORT 310, 357, SOIL_SCI 442, and/or consult with your advisor.
[4] HORT 416 can be taken in the spring as an alternative to CROP_SCI 411.