



MEMORANDUM OF UNDERSTANDING
between



Big Bend Community College

and

the College of Agricultural, Human, and Natural Resource Sciences

Washington State University

Big Bend Community College (BBCC) and Washington State University (WSU) hereby enter into a Memorandum of Understanding (MOU) based on a Customized Articulation Agreement (CAA) for transfer students from BBCC to WSU with an Associate in Applied Science Transfer degree who follow the attached advising recommendations and matriculate into the Bachelor of Science in Integrated Plant Sciences degree, Field Crop Management major 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 BBCC a more efficient transfer pathway to Washington State University (WSU). Students who complete the AAS-T degree with at least a 2.0 cumulative grade point average will be certified as a Field Crop Management major 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 AAS-T 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 BBCC 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 BBCC and Washington State University in order to earn a Bachelor of Science in Integrated Plant Sciences degree, Field Crop Management major. Attachment B specifies the required *term-by-term course of study* as offered by BBCC 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 BBCC and Washington State University in effect at the time the student enters the BBCC AAS-T degree specified in this MOU.

ATTACHMENT A

Articulation Planning Grid

Big Bend Community College, Associate in Applied Science Transfer degree →
WSU CAHNRS BS Integrated Plant Sciences degree, Field Crop Management major

BBCC Courses & Semester Credit Equivalents ¹		WSU Requirements & Semester Credits	
A: WSU UCORE Requirements			
		First-Year Experience	3
		[ROOT] Roots of Contemporary Issues = HISTORY 305	3
		Foundational Competencies	9
MATH& 146	3.35	[QUAN] Quantitative Reasoning = STAT 212	
ENGL& 101	3.35	[WRTG] Written Communication = ENGLISH 101	
		<i>One WRTG required plus either WRTG or COMM</i>	
CMST& 220	3.35	[COMM] Communication = COM 102	
		OR [WRTG]	
		Ways of Knowing	16
ECON& 201	3.35	[SSCI] Inquiry in the Social Sciences = ECONS 101	
HUMANITIES	3.35	[HUM] Inquiry in the Humanities	
ART	3.35	[ARTS] Inquiry in the Creative and Professional Arts	
		A. Inquiry in the Natural Sciences²	7
		[BSCI] Biological Science = BIOLOGY 107	4
CHEM& 161 ² + CHEM& 162 ²	6.7	[PSCI] Physical Science = CHEMISTRY 105	
		<i>One lab required</i>	
		Integrative and Applied Learning	8
ANTH& 100	3.35	[DIVR] Global Diversity = ANTH 101	
		[CAPS] Integrative Capstone 400-level	3
UCORE Credits at WSU at lower-division³			4
UCORE Credits at WSU at upper-division⁴			6
Total UCORE Credits to be Completed at WSU			10

B: WSU Writing Requirements			
Writing in the Major (min. of two [M] courses)		AFS 302 Intro to Agroecology [M] ENTOM 343 General Entomology [M]	
Writing Portfolio			
BBCC Courses & Semester Credit Equivalents ¹		WSU Requirements & Semester Credits	

C: Core Program Requirements			
AGR 251	3.35	ENTOM 351	
AGR 261	3.35	CROP_SCI/HORT 102	
AGR 263	3.35	SOIL_SCI 201	
AGR 295	3.35	CROP_SCI 498	
AGR 297	.67	CROP_SCI 412	
BOT 130	3.35	BIOLOGY 120	
CHEM& 161 + 162 ^{2,5}	0	CHEMISTRY 105	
CHEM& 163 ²	3.35	CHEMISTRY 106	
MATH& 146 ⁵	0	STAT 212	
		BIOLOGY 107 ⁵	0
		CROP_SCI/HORT 202	4
		ENTOM 343	3
		HORT 416	3
		PL_P 429	3
Core Credits at WSU at lower-division³			4
Core Credits at WSU at upper-division⁴			9

BBCC Courses & Semester Credit Equivalents ¹		WSU Requirements & Semester Credits	
D: Major/Option Requirements			
AGR 241	3.35	ECONS 350	
ECON& 201 ⁵	0	ECONS 101	
MATH& 141	3.35	MATH 106	
MATH& 142	3.35	MATH 108	
		CROP_SCI 302	3
		CROP_SCI 305	3
		CROP_SCI 403	3
		IPM 452	2
		SOIL_SCI 441	3
		Major Electives	6
		(includes AFS 302)	3
Major/Option Credits at WSU at lower-division ³			0
Major/Option Credits at WSU at upper-division ⁴			23

BBCC Courses & Semester Credit Equivalents ¹		WSU Requirements & Semester Credits	
E: Electives			
AGR 101 + 212	4.69	Electives	12
Elective Credits at WSU at lower-division ³			9
Elective Credits at WSU at upper-division ⁴			3

SUMMARY	
Minimum Credits for WSU degree⁶	120
Total Upper-Division Credits at WSU⁴	41
Total Semester Credits transferred to WSU⁷	69.01
Total UCORE Credits to be completed at WSU	10
Total Core Credits to be completed at WSU	13
Total Major Credits to be completed at WSU	23
Total Elective Credits to be completed at WSU	12
Total Credits to be completed at WSU	58
Total Credits to complete articulated agreement	127.01

NOTES:

- ¹ Conversion formula for quarter to semester credits: Quarter credits x .67 = Semester credits
- ² Chemistry 161 + 162 + 163 are equivalent to CHEM 105 and 106 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 Credits already counted in UCORE section.
- ⁶ 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.
- ⁷ The maximum transfer credit of 73 semester hours is allowed from community colleges (Rule 114). No more than 30 credits Advanced Placement, CLEP, or other credit by exam may apply toward a BS degree (Rule 12)

ATTACHMENT B

Term-by-Term Planning Sheet

Big Bend Community College [Associate in Applied Science Transfer]→WSU CAHNRS

BS Integrated Plant Sciences, Field Crop Management major

Washington State University

Big Bend Community College

Course #	Course Title	Quarter Credits ¹	Sem. Credits
Year 1 - Fall Quarter			
AGR 101	Intro to Ag Industry & Careers	2	1.34
AGR 261	Plant Science	5	3.35
MATH& 141	Precalculus	5	3.35
ENGL& 101	English Composition	5	3.35
Total Quarter Credits		17	11.39
Year 1 - Winter Quarter			
MATH& 142	Precalculus II	5	3.35
BOT 130	Botany	5	3.35
ART	Arts UCORE ⁸	5	3.35
FAD 150 ⁷	Industrial First Aid	2-NT ⁷	0
Total Quarter Credits		17	10.05 ⁷
Year 1 - Spring Quarter			
Math& 146	Intro to Statistics	5	3.35
ECON& 201	Microeconomics	5	3.35
HUM	Humanities UCORE ⁸	5	3.35
AGR 212	Ag Safety & Pesticides	5	3.35
Total Quarter Credits		20	13.4
Year 1 - Summer Quarter			
AGR 295	Work Based Learning Internship	5	3.35
AGR 297	Work Based Learning	1	.67
Total Credits		6	4.02
Year One Total		60	38.86⁷

Year 2 - Fall Quarter			
ANTH& 100	Survey of Anthropology	5	3.35
AGR 241	Farm & Ranch Management	5	3.35
CHEM& 161 ²	General Chem I	5	3.35
Total Quarter Credits		15	10.05
Year 2 - Winter Quarter			
CHEM& 162 ²	General Chem II	5	3.35
AGR 263	Soils	5	3.35
CMST& 220	Public Speaking	5	3.35
Total Quarter Credits		15	10.05
Year 2 - Spring Quarter			
SOC& 101 or PSYC& 100	Human Relations Requirement	5	3.35
CHEM& 163 ²	General Chem III	5	3.35
AGR 251 ³	Ecologically Based Pest Management	5	3.35
Total Quarter Credits		15	10.05
Year Two Total		45	30.15
Total Credits⁴		105	69.01

Year 3 - Fall Semester		
Course #	Course Title	Sem. Credits
HIST 305	Roots of Contemporary Issues for TR students	3
BIO 107	Intro to Biology: Cell Bio & Genetics	4
ENTOM 343	General Entomology [M]	3
CROP_SCI 305	Ecology of Weeds Management	3
	Major Elective ⁵	3
Total Credits		16

Year 3 - Spring Semester		
Course #	Course Title	Sem. Credits
AFS 302 ⁵	Intro to Agroecology [M]	3
CROP_SCI 302	Forage Crops	3
CROP_SCI/ HORT 202	Crop Growth and Dev.	4
	Elective	3
Total Credits		13

Year 4 - Fall Semester		
Course #	Course Title	Sem. Credits
[CAPS]	Capstone Course	3
CROP_SCI 403	Adv Cropping Systems	3
PL_P 429	Plant Pathology	3
	Major Elective ⁵	3
	Elective	3
Total Credits		15

Year 4 - Spring Semester		
Course #	Course Title	Sem. Credits
HORT 416 ⁶	Advanced Hort/Crop Physiology	3
IPM 452	Pesticides and Enviro	2
SOIL_SCI 441	Soil Fertility	3
	Upper-Division Elective	3
	Elective	3
Total Credits		14

TOTAL WSU CREDITS	58
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ATTACHMENT B
Term-by-Term Planning Sheet
Big Bend Community College [Associate in Applied Science Transfer]→WSU CAHNRS
BS Integrated Plant Sciences, Field Crop Management major

NOTES:

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

²Chemistry 161 + 162 + 163 are equivalent to CHEM 105 and 106 at WSU

³AGR 251 is equivalent to ENTOM 351 at WSU, and will transfer as upper division credit.

⁴The maximum transfer credit of 73 semester hours is allowed from community colleges (Rule 114).

⁵Major Elective (9 credits): AFS 302 [M]; CROP_SCI 360, 401 [M], 445; ENTOM 361; HORT 357; SOIL_SCI 442; and/or consult with your WSU advisor. However, two [M] Writing in the Major courses are required so one Major Elective should have the [M] designation.

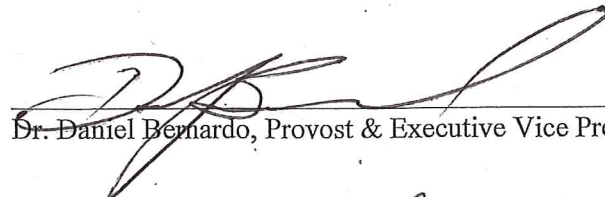
⁶HORT 416 may be taken in the spring as an alternative to CROP_SCI 411.

⁷FAD 150 does not transfer to WSU. Course will be waived by BBCC if student shows proof of CPR/First Aid certification. If student does not transfer enough credits to WSU, the WSU advisor will advise the student into an additional credit to meet WSU graduation credit requirements.

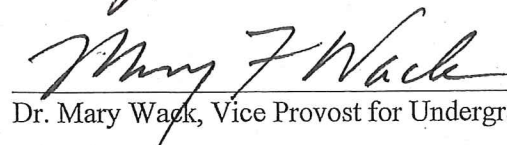
⁸UCORE equivalents can be found at: <https://transfercredit.wsu.edu/> under “transfer course search tool”.

The undersigned certify this Memorandum of Understanding:


Washington State University


Dr. Daniel Bernardo, Provost & Executive Vice President


11/29/16
Date


Dr. Mary Wack, Vice Provost for Undergraduate Education

11/29/16
Date



Dr. Richard Zack, Interim Associate Dean of Academic Programs
College of Agricultural, Human, and Natural Resource Sciences

20 Nov 2016
Date


Dr. Rich Koenig, Associate Dean & Director Extension
College of Agricultural, Human, and Natural Resource Sciences

11/17/16
Date

Big Bend Community College


Terrence Leas, President
Big Bend Community College

12/07/2016
Date