



## MEMORANDUM OF UNDERSTANDING

between

*Yakima Valley College*

and

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

Yakima Valley College (YVC) and Washington State University (WSU) hereby enter into a Memorandum of Understanding (MOU) based on a Customized Articulation Agreement (CAA) for transfer students from YVC to WSU with an AAS-T degree in Agribusiness who follow the attached advising recommendations and matriculate into a B.S. degree in Integrated Plant Sciences, Fruit and Vegetable 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 YVC a more efficient transfer pathway to Washington State University (WSU). Students who complete the AAS-T degree in Agribusiness with at least a 2.0 cumulative grade point average will be certified as Fruit and Vegetable 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.

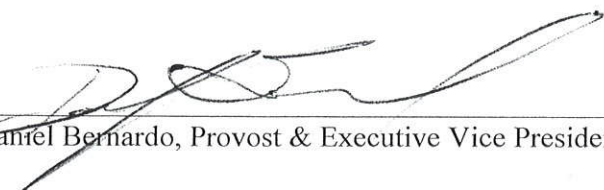
Transfer coursework for students completing the YVC degree covered by this MOU will be applied to the Washington State University Common Requirements (UCORE, the general education program), as applicable under the WSU Transfer Course Equivalency Guidelines, and to the individual degree options within the CAHNRS as specified in this agreement. The transfer of credit allowed under this MOU is structured to maximize the use of YVC 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 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 YVC and Washington State University in order to earn a B.S. degree in Integrated Plant Sciences, Fruit and Vegetable Management Major. Attachment B specifies the required *term-by-term course of study* as offered by YVC 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 YVC and Washington State University in effect at the time the student enters the YVC AAS-T degree in Agribusiness specified in this MOU.

The undersigned certify this Memorandum of Understanding:

**Washington State University**

  
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Dr. Daniel Bernardo, Provost & Executive Vice President

11/10/16  
Date

  
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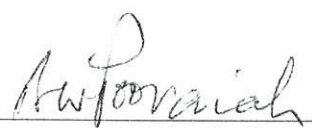
Dr. Mary Wack, Vice Provost for Undergraduate Education

9 Nov 2016  
Date

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

4 Nov 2016  
Date

  
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Dr. Joe Poovaiah, Chair  
Department of Horticulture

NOV. 3, 2016  
Date

**Yakima Valley College**

  
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Dr. Linda J. Kaminski, President

11/23/16  
Date

  
\_\_\_\_\_

Mr. Tomas Ybarra, Vice President of Instruction & Student Services

11-23-16  
Date

  
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Mr. Trent Ball, Agriculture Program Chair

11/17/16  
Date

## Articulation Planning Grid

Yakima Valley College AAS-T in Agribusiness →

WSU CAHNRS B.S. in Integrated Plant Sciences, Fruit &amp; Vegetable Management Major

YVC Courses & Semester Credit Equivalents <sup>1</sup>		WSU Requirements & Semester Credits	
<b>A: WSU UCORE Requirements</b>			
		<b>First-Year Experience</b>	<b>3</b>
		[ROOT] Roots of Contemporary Issues: HISTORY 305	3
		<b>Foundational Competencies</b>	<b>9</b>
MATH& 146	3.35	[QUAN] Quantitative Reasoning: STAT 212	
ENGL& 101	3.35	[WRTG] Written Communication: ENGLISH 101	
CMST& 220	3.35	[COMM] Communication: COM 102	
		<b>OR [WRTG]</b>	
		<b>Ways of Knowing</b>	<b>16</b>
AGECN 201	3.35	[SSCI] Inquiry in the Social Sciences: ECONS 101	
HIST& 116	3.35	[HUM] Inquiry in the Humanities: HISTORY 101	
ART& 100	3.35	[ARTS] Inquiry in the Creative and Professional Arts: FINE ART 101	
		A. Inquiry in the Natural Sciences	
BIOL& 160 <sup>2</sup>	3.35	[BSCI] Biological Sciences: BIOLOGY 107	
CHEM 109 <sup>3</sup>	3.35	[PSCI] Physical Sciences: CHEM 101	
		<i>One lab required</i>	
		<b>Integrative and Applied Learning</b>	<b>6</b>
ETHS 101	3.35	[DIVR] Diversity= CES 1XX	
		[CAPS] Integrative Capstone: HORT 425 [M]	3
<b>UCORE Credits at WSU at lower-division<sup>4</sup></b>			<b>0</b>
<b>UCORE Credits at WSU at upper-division<sup>5</sup></b>			<b>6</b>
<b>Total UCORE Credits to be completed at WSU</b>			<b>6</b>

<b>B: WSU Writing Requirements</b>	
Writing in the Major (min. of two [M] courses)	ENTOM 343 [M] HORT 418 [M] HORT 425 [M]
Writing Portfolio	

YVC Courses & Semester Credit Equivalents <sup>1</sup>		WSU Requirements & Semester Credits	
<b>C: Core Program Requirements</b>			
AGECN 201 <sup>6</sup>	0	ECONS 101	
AGSCI 101	3.35	HORT/CROP SCI 102	
AG 190-192 <sup>7</sup>	2.01	HORT 399	
AGSCI 201	3.35	SOIL SCI 201	
BIOL& 160 <sup>2,6</sup>	0	BIOLOGY 107	
CHEM 109 <sup>6</sup>	0	CHEM 101	
CHEM 209 <sup>3</sup>	3.35	CHEM 102	
MATH& 146 <sup>6</sup>	0	STAT 212	
		BIOLOGY 106 or BIOLOGY 120	4
		ENTOM 343 [M]	3
		ENTOM 351	3
		HORT/CROP SCI 202	4
		HORT 416 <sup>8</sup>	3
		PL P 300	2
<b>Core Credits at WSU at lower-division<sup>4</sup></b>			<b>8</b>
<b>Core Credits at WSU at upper-division<sup>5</sup></b>			<b>11</b>
<b>D: Major/Option Requirements</b>			
AGSCI 213 <sup>9</sup>	3.35	Pest Mgmt Elective	
AGSCI 214 <sup>10</sup>	3.35	Sustainability Elective	
		BIOLOGY 420	3
		HORT 310	3
		HORT 313	3
		HORT 320	3
		HORT 351	4
		HORT 418 [M]	3
		HORT 425 [M][CAPS] <sup>6</sup>	0
		SOIL SCI 441	3
		Adv. Fruit/Veg. Elective	3
		Env. Hort. Elective	3
<b>Major/Option Credits at WSU at lower-division<sup>4</sup></b>			<b>0</b>
<b>Major/Option Credits at WSU at upper-division<sup>5</sup></b>			<b>28</b>
<b>E: Open Electives</b>			
AGECN 210	3.35	ECONS 350	
AG 101 & AG 220	2.68	AFS 101	
AG 120 & AGSCI 112	3.35	VIT ENOL 113	
AG Elective	3.35		
		Open Electives	7
<b>Elective Credits at WSU at lower-division<sup>4</sup></b>			<b>7</b>
<b>Elective Credits at WSU at upper-division<sup>5</sup></b>			<b>0</b>
<b>SUMMARY</b>			
<b>Minimum Credits for WSU degree<sup>11</sup></b>			<b>120</b>
<b>Total Upper-Division Credits at WSU<sup>5</sup></b>			<b>45</b>
<b>Total Semester Credits transferred to WSU<sup>12</sup></b>			<b>61</b>
<b>Total UCORE Credits to be completed at WSU</b>			<b>6</b>
<b>Total Core Credits to be completed at WSU</b>			<b>19</b>
<b>Total Major Credits to be completed at WSU</b>			<b>28</b>
<b>Total Elective Credits to be completed at WSU</b>			<b>7</b>
<b>Total Credits to be completed at WSU</b>			<b>60</b>
<b>Total Credits to complete articulated agreement</b>			<b>121</b>

**Articulation Planning Grid**

Yakima Valley College AAS-T in Agribusiness →

**WSU CAHNRS B.S. in Integrated Plant Sciences, Fruit & Vegetable Management Major**  
NOTES:

- <sup>1</sup> Conversion formula for quarter to semester credits: Quarter credits x .67 = Semester credits
- <sup>2</sup> BIOL& 160 at YVC is not equivalent to BIOLOGY 107 at WSU. However, BIOL& 160 will satisfy the requirement.
- <sup>3</sup> CHEM 109 and 209 at YVC are not direct equivalents to CHEM 101 and 102 at WSU. However, these chemistry courses will satisfy the requirement.
- <sup>4</sup> Upper-division courses may also fulfill these requirements.
- <sup>5</sup> A minimum of 40 semester hours must be upper-division (300-400) credit (Rule 114).
- <sup>6</sup> Credits counted in UCORE section.
- <sup>7</sup> AG 190-192, cooperative field experience course from YVC, will satisfy the HORT 399 requirement.
- <sup>8</sup> Students may choose either CROP\_SCI 411 or HORT 416 for this requirement. CROP\_SCI 411 is taught in the fall semester and HORT 416 is taught in the spring semester.
- <sup>9</sup> AGSCI 213 is equivalent to IPM 201. This course will satisfy the Pest Management Elective.
- <sup>10</sup> AGSCI 214 Sustainability will be allowed to satisfy the Sustainability Elective.
- <sup>11</sup> 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.
- <sup>12</sup> 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 credit, and any other source] shall be 73 semester credit hours toward a baccalaureate degree irrespective of when those hours were earned (Rule 114).

## Term-by-Term Planning Sheet

17-077

Yakima Valley College AAS-T in Agribusiness →

WSU CAHNRS B.S. in Integrated Plant Sciences, Fruit &amp; Vegetable Management Major

## Yakima Valley College

Course #	Course Title	Quarter Credits <sup>1</sup>	Sem. Credits
<b>Year 1 - Fall Quarter</b>			
AG 101	Intro to Agriculture	1	0.67
ETHS 101	Amer. Ethnic Minorities	5	3.35
AGSCI 101	Plant Science	5	3.35
MATH 095	Intermediate Algebra	5	0
<i>Total Credits</i>		16	7.37
<b>Year 1 - Winter Quarter</b>			
AG 220	Current Agriculture Issues & Trends	3	2.01
AGSCI 201	Soils	5	3.35
AGSCI 213	Integrated Pest Mgmt	5	3.35
ENGL& 101	English Composition	5	3.35
<i>Total Credits</i>		18	12.06
<b>Year 1 - Spring Quarter</b>			
AGSCI 112	Essentials of Winemaking	3	2.01
CMST& 220	Intro Public Speaking	5	3.35
ART& 100	Art Appreciation	5	3.35
HIST& 116	Western Civilization I	5	3.35
<i>Total Credits</i>		18	12.06
<b>Year One Total</b>		<b>52</b>	<b>31.49</b>
<b>Year 2 - Fall Quarter</b>			
AG 120	Intro to WA Wines	2	1.34
AGECN 201	Agricultural Economics	5	3.35
AG Elective	AG Elective	5	3.35
CHEM 109 <sup>2</sup>	Principles of Chem w/ Lab	5	3.35
<i>Total Credits</i>		17	11.39
<b>Year 2 - Winter Quarter</b>			
AGECN 210	Farm Management	5	3.35
MATH& 146	Introduction to Stats	5	3.35
CHEM 209 <sup>2</sup>	Intro to Org/Biochem w/ Lab	5	3.35
<i>Total Credits</i>		15	10.05
<b>Year 2 - Spring Quarter</b>			
AGSCI 214	Sustainability	5	3.35
BIOL& 160 <sup>3</sup>	General Biology with lab	5	3.35
AG 190-192	Cooperative Field Experience	3	2.01
<i>Total Credits</i>		13	8.71
<b>Year Two Total</b>		<b>45</b>	<b>30.15</b>
<b>TOTAL YVC CREDITS</b>		<b>97</b>	<b>61.64</b>

## Washington State University

<b>Year 3 - Fall Semester</b>		
Course #	Course Title	Sem. Credits
BIOL 106 OR BIOL 120	Intro to Organismal OR Intro to Botany	4
ENTOM 343	General Entomology [M]	3
HORT 310	Pomology	3
HORT 320	Olericulture	3
	Open Elective	3
<i>Total Credits</i>		16
<b>Year 3 - Spring Semester</b>		
Course #	Course Title	Sem. Credits
ENTOM 351	Ecol. & Integrated Pest Mngt.	3
HIST 305	Root of Cont. Issues	3
HORT/CROP SCI 202	Crop Growth & Development	4
HORT 3XX	Enviro. Hort. Elective	3
HORT 351	Plant Propagation	4
<i>Total Credits</i>		17
<b>Year 4 - Fall Semester</b>		
Course #	Course Title	Sem. Credits
BIOL 420	Intro to Plant Physiology	3
PL P 300	Diseases of Fruit Crops	2
HORT 313	Viticulture	3
HORT 418	Postharvest Bio & Tech [M]	3
	Open Elective	3
<i>Total Credits</i>		14
<b>Year 4 - Spring Semester</b>		
Course #	Course Title	Sem. Credits
HORT 4XX	Adv. Fruit/Veg. Elective	3
SOIL SCI 441	Soil Fertility	3
HORT 416 <sup>4</sup>	Advanced Hort Crop Phys	3
HORT 425	Future World Trends [M]	3
	Open Elective	1
<i>Total Credits</i>		13
<b>TOTAL WSU CREDITS</b>		<b>60</b>

**Term-by-Term Planning Sheet**

17-077

**Yakima Valley College AAS-T in Agribusiness →**

**WSU CAHNRS B.S. in Integrated Plant Sciences, Fruit & Vegetable Management Major**

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