



## MEMORANDUM OF UNDERSTANDING

*Everett Community College*  
and

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



Everett Community College and Washington State University (WSU) hereby enter into a Memorandum of Understanding (MOU) based on a Customized Articulation Agreement (CAA) for transfer students from Everett Community College to WSU with an Associate in Arts & Sciences DTA (Direct Transfer Agreement) who follow the attached advising recommendations and matriculate into a B.S. degree in Agricultural & Food Systems, Organic Agriculture Systems 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 Everett Community College a more efficient transfer pathway to Washington State University (WSU). Students who complete an Associate in Arts & Sciences DTA (including the attached list of recommended courses) with at least a 2.0 cumulative grade point average will be certified as Organic Agriculture Systems 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 Everett Community College 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 Everett Community College 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 Everett Community College and Washington State University in order to earn a B.S. degree in Agricultural & Food Systems, Organic Agriculture Systems major. Attachment B specifies the required *term-by-term course of study* as offered by Everett Community College 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 Everett Community College and Washington State University in effect at the time the student enters at Everett Community College in an Associate in Arts & Sciences DTA at Everett Community College (pursuing the recommended courses listed in the advising agreement) specified in this MOU.



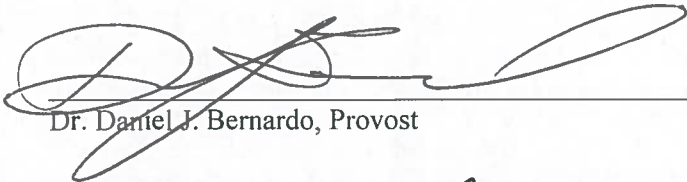
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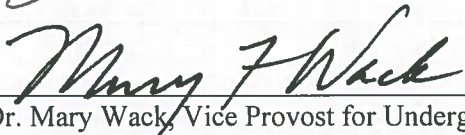
The undersigned certify this Memorandum of Understanding:

Washington State University

  
\_\_\_\_\_

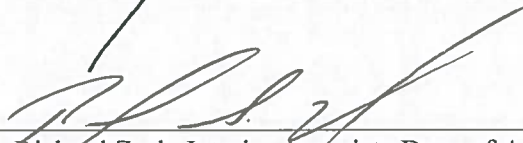
Dr. Daniel J. Bernardo, Provost

10/27/16  
Date

  
\_\_\_\_\_

Dr. Mary Wack, Vice Provost for Undergraduate Education

10/23/17  
Date

  
\_\_\_\_\_

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

23 Oct 2017  
Date

  
\_\_\_\_\_

Dr. Rich Koenig, Chair

10/18/17  
Date

Everett Community College

  
\_\_\_\_\_

Dr. Tammy Frankland, Executive  
Vice President of Instruction & Student Services

11/7/17  
Date

  
\_\_\_\_\_

Dr. Al Friedman, Math & Science Dean

11/6/17  
Date

## ATTACHMENT A: Articulation Planning Grid

Everett Community College AAS- DTA (for Arts & Sciences) → WSU CAHNRS [AFS Organic Agriculture Systems B.S.]

CI 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>
Fulfilled in DTA		[ROOT] Roots of Contemporary Issues HIST 105	
		<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	
		<i>One WRTG required plus either WRTG or COMM</i>	
CMST& 220	3.35	[COMM] Communication = COM 102 <b>OR</b> [WRTG]	
		<b>Ways of Knowing</b>	<b>16</b>
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	
		A. Inquiry in the Natural Sciences <sup>2</sup>	
BIOL& 222	3.35	[BSCI] Biological Science = BIOLOGY 107 <b>AND</b>	
CHEM& 161, 162	7.37	[PSCI] Physical Science ~ CHEM 105	
		<b>Integrative and Applied Learning</b>	<b>6</b>
ANTH 116D	3.35	[DIVR] Diversity = ANTH 101	
[New at WSU-Everett]		[CAPS] Integrative Capstone = AFS 401	3
<b>UCORE Credits at WSU at lower-division<sup>3</sup></b>	<b>0</b>		
<b>UCORE Credits at WSU at upper-division<sup>4</sup></b>			<b>3</b>
<b>Total UCORE Credits to be completed at WSU</b>			<b>3</b>

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

CI Courses & Semester Credit Equivalents <sup>1</sup>		WSU Requirements & Semester Credits	
<b>C: Core Program Requirements</b>			
CHEM& 163	3.35	CHEM 106	
BOT 113	3.35	BIOLOGY 120	
		AFS 101 <sup>4</sup>	3
		AFS 201	3
		CROP SCI/HORT 102	3
		SOIL SCI 201	3
		ECONS 352 <sup>5</sup>	3
		CROP SCI 360	3
		AFS Core Elective NATRS 450 or 454 [M] <sup>13</sup>	3
<b>Core Credits at WSU at lower-division<sup>6</sup></b>			<b>12</b>
<b>Core Credits at WSU at upper-division<sup>7</sup></b>			<b>9</b>

<b>D: Major/Option Requirements</b>			
NUTR& 101	3.35	BIOLOGY 140	
		SOIL SCI 101 <sup>5</sup>	3
		SOIL SCI 443 <sup>8</sup>	3
		CROP SCI/HORT 202 <sup>4</sup>	4
		SOIL SCI 441 <sup>5</sup>	3
		SOIL SCI 498 <sup>10</sup>	5
		AFS/HORT 350 <sup>5, 11</sup>	3
		ENTOM 343 <sup>4</sup>	3
		ENTOM 351 <sup>4</sup>	3
		CROP SCI 403 <sup>4</sup> or 443	3
		HORT 409 (Pullman) <sup>3</sup>	1
		AFS/SOIL SCI 302 [M] <sup>4</sup>	3
		AFS 445 <sup>4</sup>	3
		SOIL SCI 478	2
		SOIL SCI 479	2
		HORT 310 <sup>4</sup> or 313 <sup>4</sup> Production Elect	3
<b>Major/Option Credits at WSU at lower-division<sup>6</sup></b>			<b>7</b>
<b>Major/Option Credits at WSU at upper-division<sup>7</sup></b>			<b>37</b>

<b>E: Open Electives</b>	
COLL 101	1.34
NAT S 103 (recommended)	3.35
NUTR 180 (recommended)	3.35
Humanities Elective	3.35
Social Science Elective	3.35
BIOL& 221 (recommended)	3.35
<b>Everett credits (10) to complete AAS degree</b>	<b>18.09</b>
<b>Elective Credits at WSU at lower-division<sup>6</sup></b>	<b>0</b>
<b>Elective Credits at WSU at upper-division<sup>7</sup></b>	<b>0</b>

<b>SUMMARY</b>	
<b>Minimum Credits for WSU degree<sup>7</sup></b>	<b>120</b>
<b>Total Upper-Division Credits at WSU<sup>6</sup></b>	<b>49</b>
<b>Total Semester Credits transferred to WSU<sup>9</sup></b>	<b>62.63</b>
<b>Total UCORE Credits to be completed at WSU</b>	<b>3</b>
<b>Total Core Credits to be completed at WSU</b>	<b>21</b>
<b>Total Major Credits to be completed at WSU</b>	<b>44</b>
<b>Total Elective Credits to be completed at WSU</b>	<b>0</b>
<b>Total Credits to be completed at WSU</b>	<b>68</b>
<b>Total Credits to complete articulated agreement</b>	<b>130.63</b>

## ATTACHMENT A: Articulation Planning Grid

Everett Community College AAS- DTA(for Arts & Sciences)→WSU CAHNRS [AFS Organic Agriculture Systems B.S.]

### NOTES:

- <sup>1</sup> Conversion formula for quarter to semester credits: Quarter credits x .67 = Semester credits
- <sup>2</sup> Students have two options: A) Inquiry in the Natural Sciences (7), Biological Science (3-4) and Physical Science (3-4) **OR** an Interdisciplinary Science (8). Choose A or B to fulfill this requirement.
- <sup>3</sup> HORT 409 will substitute for Soils 412.
- <sup>4</sup> Offered via AMS from Pullman Campus to Everett Campus.
- <sup>5</sup> Online course.
- <sup>6</sup> Upper-division courses may also fulfill these requirements.
- <sup>6</sup> A minimum of 40 semester hours must be upper-division (300-400) credit (Rule 114).
- <sup>7</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>8</sup> Substitute for Crop\_Sci 305.
- <sup>9</sup> 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 123).
- <sup>10</sup> Two of these credits are for SOIL\_SCI 480 and 3 credits are for SOIL\_SCI 498 Professional Internship. Both SOIL\_SCI 480 and SOIL\_SCI 498 require 45 hours of hands-on work or experiential learning.
- <sup>11</sup> Substitute for AFS 336.
- <sup>12</sup> Counts as WSU Core Elective.
- <sup>13</sup> Satisfies Systems Based Requirement.

**ATTACHMENT B: Term-by-Term Planning Sheet**  
**Everett Community College DTA AA→WSU CAHNRS [AFS Organic Agriculture Systems B.S.]**

**Everett Community College**

Course #	Course Title	Quarter Credits <sup>1</sup>	Sem. Credits
<b>Year 1 - Fall Quarter</b>			
COLL 101	College Success	2	1.34
CHEM& 161	General Chemistry w/Lab I	5.5	3.68
CMST& 220	Public Speaking = COM 102	5	3.35
HIST& 146	US History I = HISTORY 110 [HUM]	5	3.35
<b>Total Quarter Credits</b>		<b>17.5</b>	<b>11.72</b>
<b>Year 1 - Winter Quarter</b>			
CHEM& 162	General Chemistry w/Lab II	5.5	3.68
ANTH 116D	Cultures in Context = ANTH 101 [DIVR]	5	3.35
NAT S 103	Sustainability and Systems <i>Recommended Elective</i>	5	3.35
<b>Total Quarter Credits</b>		<b>15.5</b>	<b>10.38</b>
<b>Year 1 - Spring Quarter</b>			
CHEM& 163	General Chemistry w/Lab III	5.5	3.68
ECON& 201	Microecon. = ECONS 101	5	3.35
ENGL& 101	English Comp. I = ENGLISH 101	5	3.35
<b>Total Quarter Credits</b>		<b>15.5</b>	<b>10.38</b>
<b>Year One Total</b>		<b>48.5</b>	<b>32.48</b>

<b>Year 2 - Fall Quarter</b>			
BOT 113	Plants of the Pacific NW	5	3.35
NUTR& 101	Nutrition = BIOLOGY 140	5	3.35
MATH& 146	Intro to Statistics = STAT 212	5	3.35
<b>Total Quarter Credits</b>		<b>15</b>	<b>10.05</b>
<b>Year 2 - Winter Quarter</b>			
BIOL& 221	Majors Ecology/Evolution	5	3.35
NUTR 180 elective	Sustainable Food Systems: What to Eat and Why It Matters <i>Recommended Elective</i>	5	3.35
ART& 100	Understanding Art. = FINE_ART 101	5	3.35
<b>Total Quarter Credits</b>		<b>15</b>	<b>10.05</b>
<b>Year 2 - Spring Quarter</b>			
BIOL& 222	Majors Cell/Molecular	5	3.35
Humanities Elective	For completing AAS degree	5	3.35
Social Sciences Elective	For completing AAS degree	5	3.35
<b>Total Quarter Credits</b>		<b>15</b>	<b>10.05</b>
<b>Year Two Total</b>		<b>45</b>	<b>30.15</b>
<b>Total CI Credits</b>		<b>93.5</b>	<b>62.63</b>

**Washington State University**

**Spring Start**

<b>Year 3 - Spring Semester</b>		
Course #	Course Title	Sem. Credits
CROP_SCI/HORT 102	Cultivated Plants	3
NATRS 450 [M]	Conservation Biology	3
ENTOM 351	Ecological & Integrated Pest Management	3
AFS/SOIL_SC I 302	Intro to Agroecology [M]	3
CROP_SCI 360	World Agricultural Systems	3
<b>Total Credits</b>		<b>15</b>

<b>Year 3 - Fall Semester</b>		
Course #	Course Title	Sem. Credits
AFS 101	Intro to AFS	3
AFS 201	System Skills Dev. For AFS	3
SOIL_SCI 201	Soil: A Living System	3
AFS/HORT 350	Food Systems in Western WA	3
SOIL_SCI 101	Organic Farming	3
ECONS 352	Intro to Farm & Ranch Mgmt	3
<b>Total Credits</b>		<b>18</b>

<b>Year 4 - Spring Semester</b>		
Course #	Course Title	Sem. Credits
CROP/HORT 202	Crop Growth & Development	4
AFS 445	Field Analysis of Sust. Foods	3
SOIL_SCI 441	Soil Fertility	3
SOIL_SCI 478	Advanced Organic Farming & Gardening	2
<b>Total Credits</b>		<b>12</b>

<b>Year 3 - Summer Session</b>		
Course #	Course Title	Sem. Credits
SOIL_SCI 498 <sup>8</sup>	Internship	5
<b>Total Credits</b>		<b>5</b>

<b>Year 4 - Fall Semester</b>		
Course #	Course Title	Sem. Credits
HORT 310 or 313	Horticulture Production Elective	3
SOIL_SCI 443	Soil Management for Sustainable & Org Systems	3
CROP_SCI 403 or 443	Advanced Cropping Systems; Plant Breeding for Org Systems	3
SOIL_SCI 479	Organic Farm & Garden Field Management	2
AFS 401	Adv. Sys. Analysis [CAPS]	3
HORT 409	Seminar	1
ENTOM 343	General Entomology	3
<b>Total Credits</b>		<b>18</b>
<b>TOTAL WSU CREDITS</b>		<b>68</b>

**ATTACHMENT B**

**Term-by-Term Planning Sheet**

[Specify CI] [Specify Degree Program]→WSU CAHNRS [Specify Degree Program]

**Washington State University**

**Fall Start**

<b>Year 3 - Fall Semester</b>		
<i>Course #</i>	<i>Course Title</i>	<i>Sem. Credits</i>
AFS 101	Intro to AFS	3
AFS 201	System Skills Dev. For AFS	3
SOIL_SCI 201	Soil: A Living System	3
CROP_SCI/ HORT 102	Cultivated Plants	3
AFS/HORT 350	Food Systems in Western WA	3
ECONS 352	Intro to Farm & Ranch Mgmt	3
<b>Total Credits</b>		<b>18</b>

<b>Year 3 - Spring Semester</b>		
<i>Course #</i>	<i>Course Title</i>	<i>Sem. Credits</i>
SOIL_SCI 101	Organic Farming	3
CROP_SCI/ HORT 202	Crop Growth & Development	4
AFS 445	Field Analysis of Sust. Foods	3
SOIL_SCI 441	Soil Fertility	3
SOIL_SCI 478	Advanced Organic Farming & Gardening	2
<b>Total Credits</b>		<b>15</b>

<b>Year 3 – Summer Session</b>		
<i>Course #</i>	<i>Course Title</i>	<i>Sem. Credits</i>
SOIL_SCI 498 <sup>8</sup>	Internship	5
<b>Total Credits</b>		<b>5</b>

<b>Year 4 - Fall Semester</b>		
<i>Course #</i>	<i>Course Title</i>	<i>Sem. Credits</i>
SOIL_SCI 443	Soil Management for Sustainable & Org Systems	3
CROP_SCI 403 or 443	Advanced Cropping Systems; Plant Breeding for Org Systems	3
SOIL_SCI 479	Organic Farm & Garden Field Management	2
HORT 310 or 313	Horticulture Production Elective	3
ENTOM 343	General Entomology	3
HORT 409	Seminar	1
AFS 401	Adv. Systems Analysis & Design in AFS [CAPS]	3
<b>Total Credits</b>		<b>18</b>

<b>Year 4 - Spring Semester</b>		
<i>Course #</i>	<i>Course Title</i>	<i>Sem. Credits</i>
NATRS 450 [M]	Conservation Biology	3
ENTOM 351	Ecological & Integrated Pest Management	3
AFS/SOIL_SC I 302	Intro to Agroecology [M]	3
CROP_SCI 360	World Agricultural Systems	3
<b>Total Credits</b>		<b>12</b>

<b>TOTAL WSU CREDITS</b>	<b>68</b>
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