



## MEMORANDUM OF UNDERSTANDING

between

*Walla Walla Community College*

and

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



Walla Walla Community College (WWCC) and Washington State University (WSU) hereby enter into a Memorandum of Understanding (MOU) based on a Customized Articulation Agreement (CAA) for transfer students from WWCC to WSU with an AAS-T degree in Animal Science-Pre-Veterinary who follow the attached advising recommendations and matriculate into a B.S. degree in Animal Sciences-Pre-Veterinary Medicine/Science Option 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 WWCC a more efficient transfer pathway to Washington State University (WSU). Students who complete the AAS-T degree in Animal Science-Pre-Veterinary with at least a 2.0 cumulative grade point average will be certified as Animal Science majors at WSU; and will be granted Junior standing, assuming the total number of credits accepted in transfer equals at least 60 semester credits.

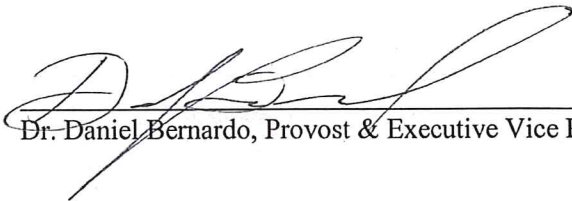
Transfer coursework for students completing the WWCC degree covered by this MOU will be applied to the Washington State University Common Requirements (UCORE, the general education program), as applicable under the WSU Transfer Course Equivalency Guidelines, and to the individual degree options within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

The undersigned certify this Memorandum of Understanding:


**Washington State University**

  
Dr. Daniel Bernardo, Provost & Executive Vice President


6/29/16 Date

  
Dr. Mary Wack, Vice Provost for Undergraduate Education

6/27/16  
Date


  
Dr. Ron Mittelhammer, Dean  
College of Agricultural, Human, and Natural Resource Sciences

6/22/16  
Date

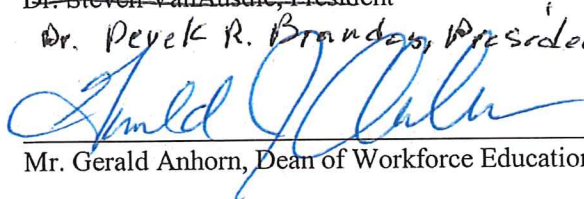
  
Dr. Kristen A. Johnson, Interim Chair  
Department of Animal Sciences

6/22/16  
Date

**Walla Walla Community College**

  
Dr. Steven VanAusdile, President  
Dr. Derek R. Brandes, President

7/26/16  
Date

  
Mr. Gerald Anhorn, Dean of Workforce Education

7/26/16  
Date



# ATTACHMENT A

## Articulation Planning Grid

Walla Walla Community College AAS-T in Animal Science-Pre-Veterinary→  
WSU CAHNRS B.S. in Animal Sciences-Pre-Veterinary Medicine/Science Option

CI Courses & Semester Credit Equivalents <sup>1</sup>		WSU Requirements & Semester Credits	
A: WSU UCORE Requirements			
		First-Year Experience	3
HIST& 128	3.35	[ROOT] Roots of Contemporary Issues: HIST 105 or 305	
		Foundational Competencies	9
MATH& 146	3.35	[QUAN] Quantitative Reasoning: STAT 212	
ENGL& 101	3.35	[WRTG] Written Communication	
		<i>One WRTG required plus either WRTG or COMM</i>	
CMST& 220	3.35	[COMM] Communication OR [WRTG]	
		Ways of Knowing	16
AGRI 201 or ECON&201	3.35	[SSCI] Inquiry in the Social Sciences: ECONS 101	
		[HUM] Inquiry in the Humanities	3
		[ARTS] Inquiry in the Creative and Professional Arts	3
		A. Inquiry in the Natural Sciences <sup>2</sup>	
BIOL& 211	3.35	[BSCI] Biological Science: BIOLOGY 107 AND	
CHEM& 161	3.35	[PSCI] Physical Science: CHEM 105 <sup>3</sup>	
		<i>One lab required</i>	
		Integrative and Applied Learning	6
DIVERSITY	3.35	[DIVR] Diversity	
		[CAPS] Integrative Capstone, Animal Production, ANIM_SCI 464, 472, 474	3
UCORE Credits at WSU at lower-division <sup>4</sup>			6
UCORE Credits at WSU at upper-division <sup>5</sup>			3
Total UCORE Credits to be completed at WSU			9

<b>B: WSU Writing Requirements</b>	
Writing in the Major (min. of two [M] courses)	ANIM_SCI 408,440,451, 464, 472, 473, 474, 485, 488
Writing Portfolio	

CI Courses & Semester Credit Equivalents <sup>1</sup>		WSU Requirements & Semester Credits	
C: Core Program Requirements			
BIOL& 212 + 213	6.7	BIOLOGY 106	
CHEM& 162 + 163	6.7	CHEM 106	
PHYS& 114+115+116	10.05	PHYSICS 101 & 102	
MATH& 141	3.35	MATH 106	
MATH& 142	3.35	MATH 108	
AGPR 110	3.35	ANIM SCI 101	
AGPR 100	2.01	ANIM SCI 180	
		ANIM SCI 313	4
		ANIM SCI 330	3
		ANIM SCI 350	3
		ANIM SCI 351	1
		ANIM SCI 380	1
		Animal Mgt. Lab: ANIM SCI 166, 172, 174, OR 280	1
Core Credits at WSU at lower-division <sup>4</sup>			1
Core Credits at WSU at upper-division <sup>5</sup>			12

CI Courses & Semester Credit Equivalents <sup>1</sup>		WSU Requirements & Semester Credits	
D: Major/Option Requirements			
AGPR 112 <sup>6</sup>	3.35	200-300 Level: ANIM_SCI ELECTIVE	
AGPR 116	3.35	200-300 Level: ANIM_SCI 260	
		400 Level ANIM_SCI Electives: ANIM_SCI 408, 440, 451, 454, 460, 472, 473, 474, 485, 488	9
		CHEM 345	4
		BIOLOGY 301/MBIOS 301	4
		MBIOS 303	4
		ENGLISH 301 OR 402	3
AGPR 115	3.35	Anatomy/Animal Health	
Major/Option Credits at WSU at lower-division <sup>4</sup>			0
Major/Option Credits at WSU at upper-division <sup>5</sup>			24

CI Courses & Semester Credit Equivalents <sup>1</sup>		WSU Requirements & Semester Credits	
E: Electives			
		Electives (Upper Division)	3
Elective Credits at WSU at lower-division <sup>4</sup>			0
Elective Credits at WSU at upper-division <sup>5</sup>			3

<b>SUMMARY</b>	
<b>Minimum Credits for WSU degree<sup>7</sup></b>	<b>120</b>
<b>Total Upper-Division Credits at WSU<sup>5</sup></b>	<b>42</b>
<b>Total Semester Credits transferred to WSU<sup>8</sup></b>	<b>72.36</b>
<b>Total UCORE Credits to be completed at WSU</b>	<b>9</b>
<b>Total Core Credits to be completed at WSU</b>	<b>13</b>
<b>Total Major Credits to be completed at WSU</b>	<b>24</b>
<b>Total Elective Credits to be completed at WSU</b>	<b>3</b>
<b>Total Credits to be completed at WSU</b>	<b>49</b>
<b>Total Credits to complete articulated agreement</b>	<b>121.36</b>

**ATTACHMENT A**  
**Articulation Planning Grid**

**Walla Walla Community College AAS-T in Animal Science-Pre-Veterinary→**  
**WSU CAHNRS B.S. in Animal Sciences-Pre-Veterinary Medicine/Science Option**

**NOTES:**

- <sup>1</sup> Conversion formula for quarter to semester credits: Quarter credits x .67 = Semester credits
- <sup>2</sup> Students must take the courses indicated on Attachment A for the physical and biological sciences UCORE requirements.
- <sup>3</sup> Students must complete CHEM& 161 and CHEM& 162 to transfer in equivalent of CHEM 105 at WSU. Completion of series CHEM& 161, 162 and 163 will transfer in equivalent to CHEM 105 and 106 at WSU.
- <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> AGPR 112 at WWCC will count as 200 level Animal Sciences elective credit at WSU.
- <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> 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).



# ATTACHMENT B

## Term-by-Term Planning Sheet

Walla Walla Community College AAS-T in Animal Science-Pre-Veterinary→  
WSU CAHNRS B.S. in Animal Sciences-Pre-Veterinary Medicine/Science Option

[Specify Cooperating Institution]

Course #	Course Title	Quarter Credits <sup>1</sup>	Sem. Credits
<b>Year 1 - Fall Quarter</b>			
BIOL&211	Majors Cellular	5	3.35
ENGL& 101	English Composition	5	3.35
AGPR 116	Carcass Evaluation	5	3.35
MATH& 141	Precalculus I	5	3.35
Total Quarter Credits		20	13.4
<b>Year 1 - Winter Quarter</b>			
BIOL& 213	Majors Plants	5	3.35
MATH& 142	Precalculus II	5	3.35
AGPR 112	Feeds and Feeding	5	3.35
AGPR 110	Livestock Production	5	3.35
Total Quarter Credits		20	13.4
<b>Year 1 - Spring Quarter</b>			
BIOL& 212	Majors Animal	5	3.35
AGPR 115	Animal Health & Disease	5	3.35
AGRI 201 or ECON&201	Microeconomics	5	3.35
Total Quarter Credits		15	10.05
<b>Year One Total</b>		<b>55</b>	<b>36.85</b>

<b>Year 2 - Fall Quarter</b>			
CHEM& 161	Gen Chem I	5	3.35
PHYS& 114	Gen Phys I	5	3.35
DIVERSITY	Diversity Elective	5	3.35
AGPR 100	Intro to Ag Careers	3	2.01
		18	12.06
Total Quarter Credits			
<b>Year 2 - Winter Quarter</b>			
CHEM& 162	Gen Chem II	5	3.35
PHYS& 115	Gen Phys II	5	3.35
HIST& 128	World Civ III=HIST 105	5	3.35
MATH& 146	Statistics	5	3.35
		20	13.4
Total Quarter Credits			
<b>Year 2 - Spring Quarter</b>			
CHEM& 163	Gen Chem III	5	3.35
CMST& 220	Public Speaking	5	3.35
PHYS& 116	Gen Phys III	5	3.35
Total Quarter Credits		15	10.05
<b>Year Two Total</b>		<b>53</b>	<b>35.51</b>
<b>Total CI Credits</b>		<b>108</b>	<b>72.36</b>

### Washington State University

<b>Year 3 - Fall Semester</b>		
Course #	Course Title	Sem. Credits
ANIM SCI 313	Feeds and Feeding	4
ANIM SCI 330	Animal Genetics	3
CHEM 345	Organic Chemistry	4
ANIM SCI 166,172, 174 OR 280	Lab Management Elect	1
Total Credits		12

<b>Year 3 - Spring Semester</b>		
Course #	Course Title	Sem. Credits
ANIM SCI 350	Phys of Reproduction	3
ANIM SCI 351	Phys of Repro Lab	1
MBIOS 303	Biochemistry	4
BIOLOGY/MBIOS 301	General Genetics	4
ANIM SCI 380	Careers in Animal Science	1
Total Credits		13

<b>Year 4 - Fall Semester</b>		
Course #	Course Title	Sem. Credits
ANIM SCI 464, 472, OR 474	Animal Production Requirement	3
ANIM SCI 408, 440, 451, 454, 460, 472, 473, 474, 485, 488	400 Level ANIM SCI Electives	6
UCORE ARTS	UCORE ARTS	3
Total Credits		12

<b>Year 4 - Spring Semester</b>		
Course #	Course Title	Sem. Credits
ANIM SCI 408, 440, 451, 454, 460, 472, 473, 474, 485, 488	400 Level ANIM SCI Electives	3
ENGLISH 301 OR 402	Writing	3
UCORE HUM	UCORE HUM	3
ELECTIVE	Upper Division Elective	3
Total Credits		12

<b>TOTAL WSU CREDITS</b>	<b>49</b>
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### NOTES:

<sup>1</sup> Conversion formula for quarter to semester credits:  
Quarter credits x .67 = Semester credits