

**ARTICULATION AGREEMENT FOR
AS BIOLOGY AND BS WILDLIFE & FISHERIES BIOLOGY & MANAGEMENT
BETWEEN NORTHERN WYOMING COMMUNITY COLLEGE
AND THE UNIVERSITY OF WYOMING**

OVERVIEW:

This formal program articulation agreement is made and entered into by Northern Wyoming Community College, hereinafter referred to as NWCC, and University of Wyoming, hereinafter referred to as UW. By this agreement NWCC and UW express a shared commitment to increasing opportunities for student access to and success in higher education.

PURPOSE:

This agreement provides students who have completed the **Associate of Science** degree with articulated coursework in the area of Wildlife & Fisheries Biology Management, the opportunity to complete a **Bachelor of Science in Wildlife and Fisheries Biology & Management** at UW. Any NWCC student who has earned an Associate of Science degree with coursework that adheres to the guidelines within this agreement is guaranteed that UW will accept designated major related credits and that all general education credits will apply to the Bachelor of Science degrees in a manner consistent with the treatment of native UW students and given junior status in the major.

CONDITIONS OF TRANSFER:

Section I: Admissions and Matriculation

NWCC students maintaining continuous enrollment under this agreement will be afforded the same treatment and protection as native UW Wildlife and Fisheries Biology & Management, College of Arts and Sciences students enrolled under a specific catalog.

Criteria for acceptance into College of Arts and Sciences will be consistent with the criteria outlined in the institutional articulation agreement between NWCC and UW.

NWCC, upon request of students, will provide verification of completed courses to UW through its Office of Registration and Records.

Transfer students from NWCC will have access to financial aid, scholarships, and student services on the same basis as native students.

UW will apply the same academic progress and graduation standards to NWCC transfer students as those applicable to native UW students.

Section II: Program Plan

While a course-by-course equivalence was used in the development of this plan, this agreement presumes that the general education core requirements at NWCC meet general education requirements at UW. Students falling under this program articulation agreement will be responsible for successfully completing the additional prescribed requirements. *42h, of the minimum 120h required for a BS degree, MUST be at the upper division level*

Table 1. Course-by-course transfer articulation (NWCC and UW)

General Education requirements at NWCC and the University Studies Program at UW transfer as a block articulation between NWCC and UW.

NWCC Course			UW Equivalent Course		
Course	Course Title	Credits	Course	Course Title	Credits
BIOL 1010	General Biology	4	LIFE 1010	General Biology	4
BIOL 2022	Animal Biology	4	LIFE 2022	Animal Biology	4
BIOL 2020	General Biology II				
BIOL 2023	Biology of Plants and Fungi	4	LIFE 2023	Biology of Plants and Fungi	4
BIOL 2400	General Ecology	3	LIFE 3400	General Ecology	3
BIOL 2410	Field Ecology Laboratory	2	LIFE 3410	Field Ecology Laboratory	2
CHEM 1020	General Chemistry I	4	CHEM 1020	General Chemistry I	4
CHEM 1030	General Chemistry II	4	CHEM 1030	General Chemistry II	4
MATH 1400	Algebra	4	MATH 1400	College Algebra	3
MATH 2200	Calculus I	4	MATH 2200	Calculus I	4
PHYS 1110	General Physics I	4	PHYS 1110	General Physics I	4
STAT 2050	Fundamentals of Statistics	4	STAT 2050	Fundamentals of Statistics	4
ZOO 2450	Principles of Fish & Wildlife Management	3	ZOO 2450	Principles of Fish and Wildlife Management	3

UNIVERSITY OF WYOMING COURSEWORK TO COMPLETE BS IN WFBM

Courses needed for ALL Wildlife and Fisheries Management majors

Course	Course Title	Credits
LIFE 3400	General Ecology	3
LIFE 3410	Field Ecology	2
LIFE 3050	Genetics	4
ZOO 4400	Population Ecology	3
ZOO 4100	Communication in Biological Sciences	3
ZOO 4190	Comparative Physiology	4
ZOO 4970	Internship	1
	ASD and ASG courses (College of Arts and Sciences requirement)	6

Courses needed for major in Wildlife and Fisheries Management Aquatic option¹

Course	Course Title	Credits
<i>A minimum 23 credit hours required</i>		
<i>Required</i>		
ZOO 4440	Limnology	3
ZOO 4430	Limnology Lab	2
ZOO 4330	Ichthyology	3
<i>Recommended</i>		
ZOO 4310	Fisheries Management – <i>required for certification</i>	3
CHEM 2230	Quantitative Analysis	4
ZOO 4540	Invertebrate Zoology	4
	3000/4000-level Terrestrial Option Upper Division Elective	3

Courses needed for major in Wildlife and Fisheries Management Terrestrial option¹

Course	Course Title	Credits
<i>A minimum 23 credit hours required</i>		
<i>Required</i>		
ZOO 4300	Wildlife Ecology and Management	5
BOT 4700	Vegetation Ecology	4
<i>Recommended</i>		
ZOO 4350	Ornithology – <i>required for certification</i>	3
ZOO 4370	Mammalogy – <i>required for certification</i>	3
ZOO/BOT 4420	Conservation Biology	3
	3000/4000-level Aquatic Option Upper Division Elective	3
	BOT/REWM electives (any course). <i>REWM 2000 meets the second course requirement for degree</i>	3

<p>For certification in either the Terrestrial or Aquatic Options, students <u>must</u> take 6 hours in courses that consider 'Human Dimensions'.</p> <p>ENR 2000 Environment & Society (3), ENR/POLS 4051 Environmental Politics (3), ENR 3000 Approaches to ENR Problem Solving (3), ENR 4550 Negotiation Analysis (3), ENR/AGEC 3750 Natural Resource Econ (3), ENR 4750 Environmental Law & Policy (3), ENR 4040 Conservation of Natural Resources (3), ENR 4900 Environment & Natural Resource Policy Practice (3), ENR 3900 Seminar Environment & Natural Resources (3), POLS 4052 Federal Land Policy (3)</p>	6
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Specific grade requirements are detailed in the College-UW 2+2 templates

¹ Students interested in being certified by The Wildlife Society or The American Fisheries Society **MUST** consult their UW advisor for more information.

AS Biology and BS WFBM

Northern Wyoming Community College District

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
BIOL	1010	General Biology ³	4	BIOL	2020	General Biology II ³ OR	4
MATH	1400	Algebra ³	4	BIOL	2022	Animal Biology ³	4
ENGL	1010	English I	3	STAT	2050	Fundamentals of Statistics OR	4
Cultural Studies Requirement ¹			3	MATH	2200	Calculus I ⁴	4
ANTH	1200	Intro Cultural Anthropology ²	3	AW	0000	Advanced Writing	3
				WL	0000	Health and Wellness	2
				Cultural Studies Requirement ¹			3
TOTAL			14	TOTAL			16

SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
CHEM	1020	General Chemistry	4	ZOO	2450	Principles of Fish & Wildlife	3
BIOL	2023	Plant/Fungal Biology ³	4	CHEM	1030	General Chemistry II	4
BIOL	2400	General Ecology ⁴	3	PHYS	1100	Physics I	4
BIOL	2410	Field Ecology ⁴	2	CO/M	1010	Public Speaking	3
				CNST	0000	Constitutional Requirement	3
TOTAL			13	TOTAL			17
						Total Degree Hours	60

1. Students are strongly encouraged to take a Cultural Awareness or Aesthetic Analysis course that corresponds to the College of Arts & Sciences Diversity (D) and Global Studies (G) electives or else they will have to take D & Gs at UW. A list of D & G courses that transfer is available here (https://wyossb.uwyo.edu/bnrprod/bwckytfc.p_display_transfer_catalog). Courses that are either U3D or U3G meet the ASD and ASG, respectively. One suggested course is ANTH1200 Intro to Cultural Anthropology, which meets the ASG requirement.

2. Students are advised to take ANTH1200 as one of the *Cultural Studies Requirements* to meet the A&S ASG requirement

3. A minimum grade of C is required for BIOL1010, BIOL2020/2, BIOL2023, MATH1400

4. These courses for part of the "minimum of 30h at C or better list" for the whole BS degree (see below)

AS Biology and BS WFBM with Terrestrial option

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#	
MATH	1405	Trigonometry ⁵	3	STAT	2050	Fundamentals of Statistics <i>OR</i>	4	
COSC	1200	Computer Information Systems	3	MATH	2200	Calculus I ³		
LIFE	3050	Genetics ⁴	4	ZOO	4350	Ornithology ³	3	
ZOO	4420	Conservation Biology ³	3			Aquatic Biology Upper Elective ^{3,5}	3	
		Upper Elective ⁵	3			Upper Elective ⁶	3	
						ASD or ASG (A&S Core)	3	
			TOTAL	16			TOTAL	16



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#	
ZOO	4300	Wildlife Ecol. Mgt ³	5	ZOO	4400	Population Ecology ³	3	
ZOO	4370	Mammalogy ³	3	ZOO	4100	Communication in Biological Sciences ⁴	3	
BOT	4700	Vegetation Ecology ³	4	ZOO	4190	Comparative Physiology ³	4	
ZOO	4970	Internship	1	BOT/REWM		any 2 courses ³	5	
			TOTAL	13			TOTAL	15
							Total Degree Hours	120
							Upper Division Hours	42

Transfer Recommendations and Notes:

1. *Students interested in being certified by The Wildlife Society MUST consult their advisor for more information.*
2. Time has been allocated for one of the two D&Gs. If the G or D is not met at NWCC then an additional 3h is required
3. A minimum of 30h must be at C or better for these courses.
4. A C is required
5. *Aquatic electives:* ZOO4330 Ichthyology, ZOO4440 Limnology, ZOO4310 Fisheries Management, ZOO4540 Invertebrate Zoology
7. *Electives:* These should be decided in consultation with your advisor.

AS Biology and BS WFBM with Aquatic option

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
MATH	1405	Trigonometry ⁴	3	STAT	2050	Fundamentals of Statistics <i>OR</i>	4
COSC	1200	Comp Info Sys	3	MATH	2200	Calculus I	
LIFE	3050	Genetics ⁴	4	ZOO	4330	Ichthyology ³	3
ZOO	4440	Limnology ³	3			Terrestrial Upper elective ^{3,5}	3
ZOO	4430	Limnology Lab ³	2			Upper Elective ⁶	3
						Upper or Lower Division Elective	3
TOTAL			<u>15</u>	TOTAL			<u>16</u>



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#
ZOO	4310	Fisheries Management ³	3	ZOO	4400	Population Ecology ³	3
ENR/BC	4040	Conservation Nat Resources ³	3	ZOO	4100	Communication in Biological Sciences ⁴	3
ZOO	4970	Internship	1	ZOO	4190	Comparative Physiology ³	4
		Upper or Lower Division Elective	3			Upper Elective ⁶	4
		Upper or Lower Division Elective	2			Upper Elective ⁶	3
		ASD or ASG (A&S Core)	3				
TOTAL			<u>15</u>	TOTAL			<u>14</u>
						Total Degree Hours	<u>120</u>
						Upper Division Hours	<u>42</u>

Transfer Recommendations and Notes:

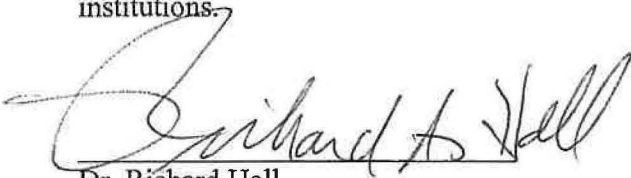
- 1. Students interested in being certified by The American Fisheries Society MUST consult their advisor for more information.**
- Time has been allocated for one of the two D&Gs. If the G or D is not met at NWCC then an additional 3h is required
- A minimum of 30h must be at C or better for these courses.
- A C is required
- 5. Terrestrial electives:** BOT4700 Vegetation Ecology, ZOO4300 Wildlife Ecology & Management, ZOO4350 Ornithology, ZOO4370 Mammalogy
- 6. Upper electives:** These should be decided in consultation with your advisor. For the *Aquatic* alignment, possible courses include REWM4285 Wildland Hydrology, REWM4700, Wildland Watershed Management, GEOG4450 Fluvial Geomorphology, ZOO4540 Invertebrate Zoology. There are also various seminars available.

TERMS of AGREEMENT:

This agreement is made and entered into in the academic year 2015-2016 and remains in force unless a new articulation agreement is signed by all parties. The agreement is subject to annual review to assure currency with the respective degree requirements, and may be amended at any time via written request by either NWCC or UW. Should either party desire to discontinue this agreement, advance notification of one year will be required.

SIGNATURES:

Northern Wyoming Community College and University of Wyoming hereby enter into this program articulation agreement leading from the Associate of Science degree with articulated coursework in Bachelor of Science in Physiology by the affixing of signatures of the academic officers of both institutions.



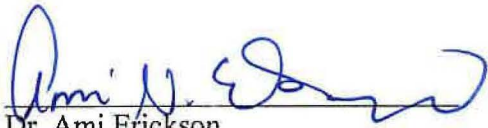
Dr. Richard Hall
Vice President of Academic Affairs
Northern Wyoming Community College

7/13/15
Date



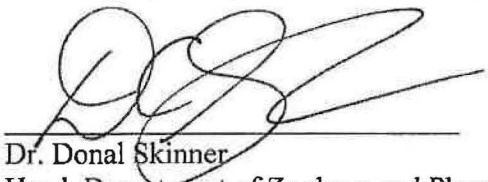
Dr. David Jones
Vice President for Academic Affairs
University of Wyoming

6/8/15
Date



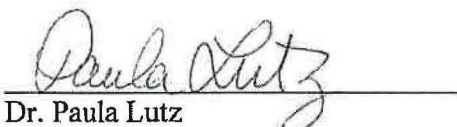
Dr. Ami Erickson
Dean of Ag, Science, Math, Engineering and Culinary
Northern Wyoming Community College

7/13/15
Date



Dr. Donal Skinner
Head, Department of Zoology and Physiology
University of Wyoming

6/2/2015
Date



Dr. Paula Lutz
Dean, College of Arts & Sciences
University of Wyoming

6/4/15
Date

