

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

OVERVIEW:

This formal program articulation agreement is made and entered into by Northwest College, hereinafter referred to as NWC, and University of Wyoming, hereinafter referred to as UW. By this agreement NWC 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 NWC 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

NWC 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 NWC and UW.

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

Transfer students from NWC 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 NWC 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 NWC 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*

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 NWC or UW. Should either party desire to discontinue this agreement, advance notification of one year will be required.

SIGNATURES:

Northwest 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. Stefani Hicswa President
Northwest College

Date: 11/12/15


Dr. Gerry Giraud Vice President of Academic Affairs
Northwestern College

Date: 11/21/15


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

Date: 12/7/15


Dr. Matthew Ewers, Executive Dean Academic Affairs
Northwestern College

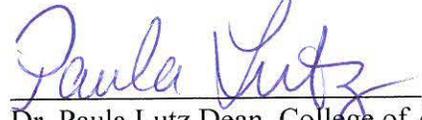
Date: 11/20/15


Marnee Crawford, MSN, LHS Division Chair
Northwestern College

Date: 4/1/15


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

Date: 12/15/15


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

Date: 12/7/15

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

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

NWC Course			UW Equivalent Course		
Course	Course Title	Credits	Course	Course Title	Credits
BIOL 1010	General Biology	4	LIFE 1010	General Biology	4
BIOL 2020	General Biology II		LIFE 2022	Animal Biology	4
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	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	College Algebra	4	MATH 1400	College Algebra	3
MATH 1450	PreCalc Algebra & Trig	5	MATH 1450	Algebra & Trigonometry	3
STAT 2050	Fundamentals of Statistics	4	STAT 2050	Fundamentals of Statistics	4
ZOO 2450	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
COSC 1200	Computer Information Systems* (Met at NWC by GIS)	3
LIFE 3400	General Ecology* (Met at NWC)	3
LIFE 3410	Field Ecology* (Met at NWC)	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 <i>must</i> 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 (Natural Resource Biology: Track 1) and BS WFBM

Northwest College

FRESHMAN

Fall Semester				Hrs	Spring Semester				Hrs
Dept	#	Course Title	#		Dept	#	Course Title	#	
BIOL	1010	General Biology ²	4		BIOL	2020	General Biology II ²	4	
CHEM	1020	General Chemistry I	4		CHEM	1030	General Chemistry II	4	
MATH	1400	College Algebra ^{2,3} OR	4		ENGL	1020	English II ⁴ /Tech Writing	3	
MATH	1450	Precalc Algebra & Trig	(5) ³		ZOO	2450	Wildlife Management	3	
ENGL	1010	English I	3		General Education Requirement ¹			3	
		Freshman Seminar	3						
TOTAL				18	TOTAL				17



SOPHOMORE

Fall Semester				Hrs	Spring Semester				Hrs
Dept	#	Course Title	#		Dept	#	Course Title	#	
BIOL	2023	Biology of Plants and Fungi	4		STAT	2050	Fundamentals of Statistics	4	
BIOL	2310	GIS	3		BIOL	2385	Research Life & Physical Sciences ⁵ OR	(3) ⁴	
BIOL	2400	Ecology	3				2395 Biological Research	1	
BIOL	2410	Field Ecology	1		ZOO	2400	Vertebrate Natural History OR		
		Wellness	2		BOT	2100	Forest Management OR	3	
		General Education Requirement ¹	3		BIOL	1080	Environmental Science		
					POLS	1000	American & Wyoming Government OR	3	
					HIST	1221	The United States from 1865		
					General Education Requirement ¹			3	
TOTAL				16	TOTAL				14
								Total Degree Hours	65

Transfer Recommendations and Notes:

- Students are strongly encouraged to take at least one *General Education Requirement* (Humanities/Visual and Performing Arts/Social Science) course that corresponds to the College of Arts & Sciences Diversity (ASD) and Global Studies (ASG) electives or else they will have to take ASD & ASGs at UW. A list of D & G courses that transfer is available here (https://wyosssb.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.
- A minimum grade of C is required for BIOL1010, BIOL2020, BIOL MATH1400
- If students take MATH1450 at NWC then they will not need to take MATH1405 Trigonometry at UW
- If students take ENGL 1020 at NWC then they must also take CO/M 1010 Public Speaking to count as COM2 at UW
- If students opt for BIOL2385, overall hours for the Associates will increase by 2h

BS WFBM with Terrestrial option

University of Wyoming

JUNIOR

Fall Semester				Hrs	Spring Semester				Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#	Dept	#	
PHYS	1110	Physics I OR		ZOO	4350	Ornithology ³	3			
AECL	2010	Intro Soil Science OR	4	MATH	2200	Calculus I ³ OR	4			
GEOL	1100	Physical Geology		MATH	2350	Business Calculus I				
MATH	1405	Trigonometry ^{4,7}	3			Aquatic Biology Upper Elective ^{3,5}	3			
LIFE	3050	Genetics	4			Upper Elective ⁶	3			
ZOO	4420	Conservation Biology ³	3			Upper Elective ⁶	3			
						ASD or ASG (A&S Core)	3			
TOTAL				14					TOTAL	19



SENIOR

Fall Semester				Hrs	Spring Semester				Hrs	
Dept	#	Course Title	#	Dept	#	Course Title	#	Dept	#	
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 ^{3,6}	5			
TOTAL				13					TOTAL	15
								Total Degree Hours	126	
								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 ASD&ASGs. If the ASG or ASD is not met at NWC 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
6. **Electives:** These should be decided in consultation with your advisor.
7. If students take MATH1450 at NWC then Trig not required at UW

BS WFBM with Aquatic option

University of Wyoming

JUNIOR

Fall Semester				Hrs	Spring Semester				Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#		
PHYS	1110	Physics I OR		ZOO	2450	Principles of Fish & Wildlife	3		
AECL	2010	Intro Soil Science OR	4	ZOO	4330	Ichthyology	3		
GEOL	1100	Physical Geology				Terrestrial Upper Elective ⁵	3		
COSC	1200	Comp Info Sys	3			Upper Elective ⁶	3		
MATH	2200	Calculus I ³ OR	4			ASD or ASG (A&S Core)	3		
MATH	2350	Business Calculus I							
ZOO	4440	Limnology ³	3						
ZOO	4430	Limnology Lab ³	2						
TOTAL				16	TOTAL				15



SENIOR

Fall Semester				Hrs	Spring Semester				Hrs
Dept	#	Course Title	#	Dept	#	Course Title	#		
LIFE	3410	Field Ecology ³	2	ZOO	4400	Population Ecology ³	3		
ZOO	4310	Fisheries Management ³	3	ZOO	4100	Communication in Biological Sciences ⁴	3		
ZOO	4970	Internship	1	ZOO	4190	Comparative Physiology ³	4		
		Upper Elective ⁶	3			Upper Elective ⁶	3		
		Upper Elective ⁶	4			Upper Elective ⁶	3		
TOTAL				13	TOTAL				16
Total Degree Hours								120	
Upper Division Hours								43	

Transfer Recommendations and Notes:

1. **Students interested in being certified by The American Fisheries 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 NWC 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. **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.