

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

OVERVIEW:

This formal program articulation agreement is made and entered into by Laramie County Community College, hereinafter referred to as LCCC, and University of Wyoming, hereinafter referred to as UW. By this agreement LCCC 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 Natural Sciences: Wildlife Biology, the opportunity to complete a Bachelor of Science in Wildlife and Fisheries Management at UW. Any LCCC 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

LCCC students maintaining continuous enrollment under this agreement will be afforded the same treatment and protection as native UW Wildlife and Fisheries 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 LCCC and UW.

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

Transfer students from LCCC 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 LCCC transfer students as those applicable to native UW students.

Section II: Program Plan

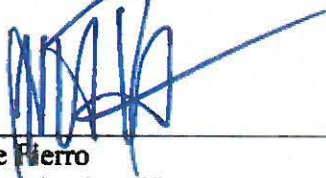
While a course-by-course equivalence was used in the development of this plan, this agreement presumes that the general education core requirements at LCCC meet general education requirements at UW. Students falling under this program articulation agreement will be responsible for successfully completing 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 LCCC or UW. Should either party desire to discontinue this agreement, advance notification of one year will be required.

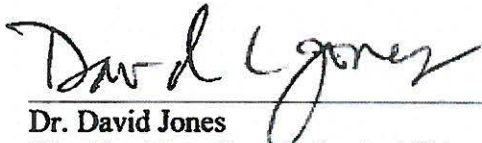
SIGNATURES:

Laramie County 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 Wildlife and Fisheries Management by the affixing of signatures of the academic officers of both institutions.



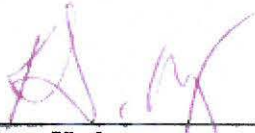
Dr. Jose Hierro
Chief Academic Officer
Laramie County Community College

8-15-15
Date



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

6/8/15
Date



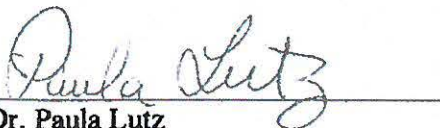
Kathleen Hathaway
Dean of School of Math and Sciences
Laramie County Community College

6/15/15
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

Natural Sciences (Wildlife Biology), AS

Laramie County Community College

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs
BIOL	1010	General Biology	4	BIOL	2022	Animal Biology	4
CHEM	1020	General Chemistry I	4	CHEM	1030	General Chemistry II	4
MATH	1400	College Algebra		MATH	1405	Pre-Calculus Trigonometry	3
		OR	3	ENGL	1010	English I: Composition	3
MATH	1401	Pre-Calculus Algebra					
COLS	1000	Introduction to College Success	3				
TOTAL			<u>14</u>	TOTAL			<u>14</u>



SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs
BIOL	2023	Biology of Plant & Fungi	4	STAT	2050	Fundamentals of Statistics	4
MATH	2200	Calculus	4	ZOO	2450	Wildlife Management	3
GEOL	1100	Physical Geology		COSC	1200	Computer Information Systems	3
		OR				Aesthetic Analysis (Humanities)	3
PHYS	1110	General Physics	4			Wyoming State Requirement	3
		OR					
AECL	2010	The Ecological Web: Soils					
CO/M	1010	Public Speaking	3				
		Cultural Awareness (Social Science)	3				
TOTAL			<u>18</u>	TOTAL			<u>16</u>
TOTAL DEGREE HOURS						<u>62</u>	

Transfer Recommendations and Notes:

Students are strongly encouraged to take a General Education Electives 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. One suggested course is ANTH 1200 (Introduction to Cultural Anthropology) which meets the ASG requirement.

Courses that meet the Wyoming State Requirement include: U.S. to 1865 (HIST 1211), U.S. from 1865 (HIST 1221) Wyoming History (HIST 1251), Economics, Law & Government (ECON 1200)

A minimum grade of C is required for BIOL 1010, BIOL 2022, MATH 1400, MATH 1405

WFBM (Aquatic), BS

University of Wyoming

JUNIOR

Fall Semester			Hrs	Spring Semester			Hrs
LIFE	3400	General Ecology	3	LIFE	3050	Genetics	4
LIFE	3410	Field Ecology	2	ZOO	4330	Ichthyology	3
ZOO	4440	Limnology	3			Upper Division Elective	3
ZOO	4430	Limnology Lab	2			Terrestrial Upper Division Elective*	3
		Elective	3			A&S Core Diversity in U.S., ASD	3
TOTAL			<u>13</u>	TOTAL			<u>16</u>



SENIOR

Fall Semester			Hrs	Spring Semester			Hrs
ZOO	4310	Fisheries Management	3	ZOO	4400	Population Ecology	3
ZOO	4970	Internship	1	ZOO	4100	Communication in Biological Sciences	3
		Aquatic Biology Elective**	3	ZOO	4190	Comparative Physiology	4
		Upper Division Elective	2			Upper Division Elective	3
		Elective	3			Elective	3
		A&S Core Global Awareness, ASG	3				
TOTAL			<u>15</u>	TOTAL			<u>16</u>
TOTAL DEGREE HOURS						<u>122</u>	

Transfer Recommendations and Notes:

Students interested in being certified by The American Fisheries Society MUST consult their advisor for more information.

***Terrestrial Electives:** BOT 4700 (Vegetation Ecology), ZOO 4300 (Wildlife Ecology & Management), ZOO 4350 (Ornithology), ZOO 4370 (Mammalogy).

****Aquatic Electives:** CHEM 2230 (Quantitative Analysis), REWM 4285 (Wildland Hydrology), REWM 4700 (Wildland Watershed Management), GEOG 4450 (Fluvial Geomorphology), ZOO 4540 (Invertebrate Zoology).

This is a guide for course work in the major; actual course sequence may vary by student. • Please refer to the online student degree evaluation. • Not all courses are offered every semester and some electives may have prerequisites. • Students should review the course descriptions in the University Catalog and consult with their academic advisor to plan accordingly.

University of Wyoming Requirements include: Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U.

Natural Sciences (Wildlife Biology), AS

Laramie County Community College

FRESHMAN

Fall Semester			Hrs	Spring Semester			Hrs
BIOL	1010	General Biology	4	BIOL	2022	Animal Biology	4
CHEM	1020	General Chemistry I	4	CHEM	1030	General Chemistry II	4
MATH	1400	College Algebra		MATH	1405	Pre-Calculus Trigonometry	3
		OR	3	ENGL	1010	English I: Composition	3
MATH	1401	Pre-Calculus Algebra					
COLS	1000	Introduction to College Success	3				
TOTAL			<u>14</u>	TOTAL			<u>14</u>



SOPHOMORE

Fall Semester			Hrs	Spring Semester			Hrs
BIOL	2023	Biology of Plant & Fungi	4	STAT	2050	Fundamentals of Statistics	4
MATH	2200	Calculus	4	ZOO	2450	Wildlife Management	3
GEOL	1100	Physical Geology		COSC	1200	Computer Information Systems	3
		OR				Aesthetic Analysis (Humanities)	3
PHYS	1110	General Physics	4			Wyoming State Requirement	3
		OR					
AECL	2010	The Ecological Web: Soils		TOTAL			<u>16</u>
CO/M	1010	Public Speaking	3	TOTAL DEGREE HOURS			<u>62</u>
		Cultural Awareness (Social Science)	3				
TOTAL			<u>18</u>				

Transfer Recommendations and Notes:

Students are strongly encouraged to take a General Education Electives 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. One suggested course is ANTH 1200 (Introduction to Cultural Anthropology) which meets the ASG requirement.

Courses that meet the Wyoming State Requirement include: U.S. to 1865 (HIST 1211), U.S. from 1865 (HIST 1221) Wyoming History (HIST 1251), Economics, Law & Government (ECON 1200)

A minimum grade of C is required for BIOL 1010, BIOL 2022, MATH 1400, MATH 1405

WFBM (Terrestrial), BS

University of Wyoming

JUNIOR

Fall Semester				Hrs	Spring Semester				Hrs		
LIFE	3400	General Ecology		3	ZOO	4350	Ornithology		3		
LIFE	3410	Field Ecology		2	LIFE	3050	Genetics		4		
ENR/ BOT	4040	Conservation Natural Resources		3			Aquatic Biology Elective**		3		
ZOO	4420	Conservation Biology		3			A&S Core Global Awareness, ASG		3		
		Upper Division Elective		3							
				TOTAL	14					TOTAL	13



SENIOR

Fall Semester				Hrs	Spring Semester				Hrs		
ZOO	4300	Wildlife Ecology Management		5	ZOO	4400	Population Ecology		3		
ZOO	4370	Mammalogy		3	ZOO	4100	Communication in Biological Science		3		
BOT	4700	Vegetation Ecology		4	ZOO	4190	Comparative Physiology		4		
ZOO	4970	Internship		1	BOT/ REWM		Any 2 Courses*		5		
		A&S Core Diversity in U.S., ASD		3							
				TOTAL	16					TOTAL	15
										TOTAL DEGREE HOURS	120

Transfer Recommendations and Notes:

Students interested in being certified by The American Fisheries Society MUST consult their advisor for more information.

*Students can take the 2 courses in BOT/REWM at either the Upper or Lower Division level, but courses taken at the Upper level will count towards the 42 Upper Division Hours requirement, reducing the number of separate "Upper Level Courses" needed.

***Aquatic Electives:* CHEM 2230 (Quantitative Analysis), ZOO 4330 (Ichthyology), ZOO 4440 (Limnology), ZOO 4310 (Fisheries Management), ZOO 4540 (Invertebrate Zoology).

This is a guide for course work in the major; actual course sequence may vary by student. • Please refer to the online student degree evaluation. • Not all courses are offered every semester and some electives may have prerequisites. • Students should review the course descriptions in the University Catalog and consult with their academic advisor to plan accordingly.

University of Wyoming Requirements include: Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division coursework, 30 of which must be from the University of Wyoming. • Courses must be taken for a letter grade unless offered only for S/U.

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

LCCC Course			UW Equivalent Course		
			USP		
COLS 1000	Intro to College Success	3	USP FYS	First Year Seminar	3
CO/M 1010	Introduction to Public Speaking	3	COJO 1010	Public Speaking USP 2015 COM2	3
	Humanities Elective	3	USP H	USP 2015 H	3
	Social Science Elective	3	USP H	USP 2015H	3
POLS 1000	American & Wyoming Government	3	USP V	American & Wyoming Government	3
ECON 1200	Economics, Law, and Government	3		Economics, Law, and Government	3
HIST 1211	U.S. History to 1865	3		U.S. History to 1865	3
HIST 1221	U.S. History from 1865	3		U.S. History from 1865	3
HIST 1251	Wyoming History	3		History of Wyoming	3

LCCC Course			UW Equivalent Course		
Course	Course Title	Credits	Course	Course Title	Credits
AECL 2010	The Ecological Web: Soils	4	SOIL 2010	Introduction to Soil Science	4
BIOL 1010	General Biology	4	LIFE 1010	General Biology	4
BIOL 2022	Animal Biology	4	LIFE 2022	Animal Biology	4
BIOL 2023	Biology of Plants and Fungi	4	LIFE 2023	Biology of Plants and Fungi	4
CHEM 1020	General Chemistry I	4	CHEM 1020	General Chemistry I	4
CHEM 1030	General Chemistry II	4	CHEM 1030	General Chemistry II	4
COSC 1200	Computer Information Systems	3	COSC1200	Computer Information Systems	3
ENGL 1010	English I: Composition	3	ENGL 1010	College Comp. & Rhetoric	3
GEOL 1100	Physical Geology	4	GEOL 1100	Physical Geology	4
MATH 1400	College Algebra	3	MATH 1400	College Algebra	3
MATH 1405	Pre-Calculus Trigonometry	3	MATH 1405	Trigonometry	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	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 must 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.