

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

OVERVIEW:

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

EWC 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 EWC and UW.

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

Transfer students from EWC 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 EWC 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 EWC meet general education requirements at UW. Students falling under this program articulation agreement will be responsible for successfully completing the additional prescribed requirements. *48h, 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 EWC or UW. Should either party desire to discontinue this agreement, advance notification of one year will be required.

SIGNATURES:

Eastern Wyoming 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.

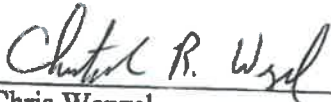


Dr. Dee Ludwig
Learning Vice President
Eastern Wyoming College

6/22/15
Date

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

Date



Chris Wenzel
Division Chair, Science
Eastern Wyoming College

6/24/15
Date

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

Date

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

Date

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

SIGNATURES:

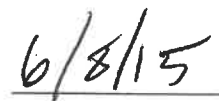
Eastern Wyoming College and University of Wyoming hereby enter into this program articulation agreement leading from the Associate of Science degree with articulated coursework in Bachelor of Science in Wildlife and Fisheries Management by the affixing of signatures of the academic officers of both institutions.

Dr. Dee Ludwig
Learning Vice President
Eastern Wyoming College

Date




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



Date

Chris Wenzel
Division Chair, Science
Eastern Wyoming College

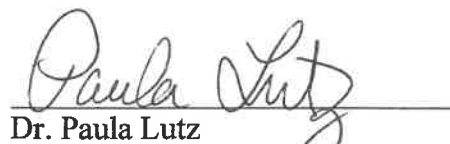
Date




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



Date



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



Date

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

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

EWC 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 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
MATH 1400	Pre-Calculus Algebra	4	MATH 1400	College Algebra	3
MATH 1405	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
REWM 2000	Principles of Range Management	3	REWM 2000	Principles of Rangeland Management	3
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 – required for certification	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 – required for certification	3
ZOO 4370	Mammalogy – required for certification	3
ZOO/BOT 4420	Conservation Biology	3
	3000/4000-level Aquatic Option Upper Division Elective	3
	BOT/REWM electives (any course). REWM 2000 meets the second course requirement for degree	3

<p>For certification in either the Terrestrial or Aquatic Options, students <u>must</u> take 6 hours in courses that consider 'Human Dimensions'. 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
---	---

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.

Wildlife & Fisheries Biology Mgmt., AS



Eastern Wyoming College

FRESHMAN YEAR

Fall Semester			Hrs	Spring Semester			Hrs
BIOL	1010	General Biology ¹	4	BIOL	2020	General Biology II ¹	4
CHEM	1020	General Chemistry I	4	CHEM	1030	General Chemistry II	4
MATH	1400	Pre-Calculus Algebra ¹	4	MATH	1405	Trigonometry ¹	3
ENGL	1010	English I: Composition	3	CO/M	2020	Public Speaking	3
		Freshman Foundation	1				
TOTAL			<u>16</u>	TOTAL			<u>14</u>

SOPHOMORE YEAR

Fall Semester			Hrs	Spring Semester			Hrs
ZOO	2450	Principles of Fish & Wildlife	3	STAT	2050	Fundamentals of Statistics	4
GEOL	1000	World Regional Geography	3	REWM	2000	Principles of Range Management	3
MATH	2200	Calculus I ³	4	COSC	1200	Computer Information Systems	3
PHYS	1100	Physics I	4			Constitutional Requirement	3
		Physical Education Activity	1			Arts & Humanities ²	3
TOTAL			<u>15</u>	TOTAL			<u>16</u>
TOTAL EWC AS DEGREE HOURS							<u>61</u>

Successful completion of the 2+2 plan requires that a student remain continuously enrolled and graduate with the associate's degree from his or her respective community college. • 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 catalogs of their respective institutions and consult with their academic advisor to plan accordingly. • Academic plans and course schedules may need to be altered if ACT or Math Placement scores require a student to take pre-college courses (e.g., MATH 0900, 0921, or 0925) before taking required math or English courses.

Eastern Wyoming College requirements:

In order to graduate, students must successfully complete a minimum of 60 credit hours, 15 of which must be applicable towards graduation from Eastern Wyoming College, with a grade point average of 2.0 or better in courses numbered 1000 or higher. • No more than six (6) hours in courses numbered 1490, 1990, 2490, or 2990 will apply toward the degree; in addition, no course offered under the Developmental Studies Department may be applied toward the degree.

University of Wyoming requirements:

Students must have a minimum cumulative GPA of 2.0 to graduate. • Students must complete 42 hours of upper division (3000-level or above) 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.

UW College of Arts and Sciences requirements:

Students must take two "core" courses in addition to UW's University Studies Program requirements: Diversity in the United States (ASD) and Global Awareness (ASG). • No more than 60 hours in the major subject may be used toward the 120 credit hours required for graduation. • At least 30 hours in the major subject must be completed with a grade of C or better (the major may require more).

Wildlife & Fisheries Biology & Mgmt., BS

Terrestrial Alignment



University of Wyoming

JUNIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
LIFE	2023	Plant/Fungal Biology ^c	3	ZOO	4350	Ornithology ^c	3
LIFE	3400	General Ecology ^c	3	LIFE	3050	Genetics ³	4
LIFE	3410	Field Ecology ^c	2			Aquatic Biology Elective ^{cd}	3
ENR/B	4040	Conservation Natural Resources ³	3			Elective ^e	4
ZOO	4420	Conservation Biology ^c	3			A&S Core ²	3
TOTAL			<u>14</u>	TOTAL			<u>17</u>

SENIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
ZOO	4300	Wildlife Ecology Management ^c	5	ZOO	4400	Population Ecology ^c	3
ZOO	4370	Mammalogy ^c	3	ZOO	4100	Communication in Biological Sciences ^b	3
BOT	4700	Vegetation Ecology ^c	4	ZOO	4190	Comparative Physiology ^c	4
ZOO	4970	Internship	1	BOT/REWM ^{cf}			3
		A&S Core ²	3				
TOTAL			<u>16</u>	TOTAL			<u>13</u>
TOTAL UW HOURS						<u>60</u>	
TOTAL UW BA DEGREE HOURS						<u>121</u>	

EWC Program Notes:

1. A minimum grade of C is required for BIOL 1010 (General Biology I), BIOL 2020 (General Biology II), MATH 1400 (Pre-Calculus Algebra), and MATH 1405 (Trigonometry).
2. Students are **strongly** encouraged to take an Arts & Humanities and/or Social & Cultural Awareness elective at EWC that correspond to the UW College of Arts & Sciences *Diversity in the US (ASD)* and *Global Awareness (ASG)* electives or else they will have to fulfill ASD & ASG requirements at UW. A list of ASD and ASG courses that transfer is available at wyossb.uwyo.edu/bnrprod/bwckytfc.p_display_transfer_catalog. Courses with a USP attribute of either U3D or U3G meet the ASD and ASG, respectively. One suggested course is ANTH 1200 (Introduction to Cultural Anthropology), which meets the ASG requirement.
3. This course is part of the "minimum of 30 credit hours at C or better" list required for UW's BS in WFBM degree (see "b" below).

UW WFBM Program Notes:

- a) Please see note #2 for Eastern Wyoming College. If the ASD and ASG requirements have been met, these become elective credits.
- b) A grade of C is required in this course.
- c) A minimum of 30 credit hours must be at a grade of C or better for these courses.
- d) **Aquatic Electives:** ZOO 4330 (Ichthyology - 3 hrs), ZOO 4440 (Limnology - 3 hrs), ZOO 4310 (Fisheries Management - 3 hrs), ZOO 4540 (Invertebrate Zoology - 3 hrs)
- e) These upper or lower division electives do not need to be in the major. They may be internship- or research-related.
- f) Students can take the course in BOT/REWM at either the Upper or Lower Division level, but if taken at the Upper Division Level, that will count towards the 42 Upper Division requirement, reducing the number of Upper Division Courses needed. As students have taken REWM 2000 at EWC, they need only 1 BOT/REWM course at UW.
- g) Students interested in being certified by the Wildlife Society **MUST** consult with their advisor for more information.

Wildlife & Fisheries Biology & Mgmt., BS

Aquatic Alignment



University of Wyoming

JUNIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
LIFE	3400	General Ecology ^c	3	ZOO	4330	Ichthyology	3
LIFE	3410	Field Ecology ^c	3	LIFE	3050	Genetics ^c	4
ZOO	4330	Limnology ^c	2			Terrestrial Elective ^{c,e}	3
ZOO	4340	Limnology Lab ^c	2	3000+		Elective ^e	4
		A&S Core ²	3			Elective	2
TOTAL			<u>13</u>	TOTAL			<u>16</u>

SENIOR YEAR

Fall Semester			Hrs	Spring Semester			Hrs
ENR/B	4040	Conservation Natural Resources ^c	3	ZOO	4400	Population Ecology ^c	3
ZOO	4310	Fisheries Management	3	ZOO	4100	Communication in Biological Sciences ^b	3
ZOO	4970	Internship	1	ZOO	4190	Comparative Physiology ^c	4
	3000+	Elective	4	3000+		Elective	3
		A&S Core ²	3			Aquatic Biology Elective ^{c,d}	3
TOTAL			<u>14</u>	TOTAL			<u>16</u>
TOTAL UW HOURS						<u>59</u>	
TOTAL UW BA DEGREE HOURS						<u>120</u>	

EWC Program Notes:

1. A minimum grade of C is required for BIOL 1010 (General Biology I), BIOL 2020 (General Biology II), MATH 1400 (Pre-Calculus Algebra), and MATH 1405 (Trigonometry).
2. Students are **strongly** encouraged to take an Arts & Humanities and/or Social & Cultural Awareness elective at EWC that correspond to the UW College of Arts & Sciences *Diversity in the US (ASD)* and *Global Awareness (ASG)* electives or else they will have to fulfill ASD & ASG requirements at UW. A list of ASD and ASG courses that transfer is available at wyosb.uwyo.edu/bnrprod/bwcktyfc.p_display_transfer_catalog. Courses with a USP attribute of either U3D or U3G meet the ASD and ASG, respectively. One suggested course is ANTH 1200 (Introduction to Cultural Anthropology), which meets the ASG requirement.
3. This course is part of the "minimum of 30 credit hours at C or better" list required for UW's BS in WFBM degree (see "b" below).

UW WFBM Program Notes:

- a) Please see note #2 for Eastern Wyoming College. If the ASD and ASG requirements have been met, these become elective credits.
- b) A grade of C is required in this course.
- c) A minimum of 30 credit hours must be at a grade of C or better for these courses.
- d) **Aquatic Electives:** ZOO 4330 (Ichthyology - 3 hrs), ZOO 4440 (Limnology - 3 hrs), ZOO 4310 (Fisheries Management - 3 hrs), ZOO 4540 (Invertebrate Zoology - 3 hrs)
- e) **Terrestrial Electives:** ZOO 4300 (Wildlife Ecology & Management - 3 hrs), BOT 4700 (Vegetation Ecology - 3 hrs), ZOO 4350 (Ornithology - 3 hrs), ZOO 4370 (Mammalogy - 3 hrs), ZOO/BOT 4420 (Conservation Biology - 3 hrs)
- f) These upper or lower division electives do not need to be in the major. They may be internship- or research-related.
- g) Students interested in being certified by the American Fisheries Society **MUST** consult with their advisor for more information.